CONSTRUCTION NEWS

PERSONALS, ENGINEERING SOCIETIES, ENGINEERING SCHOOLS, READERS' WANTS, INDUSTRIAL NOTES, PUBLICATIONS.

Supplement to ENGINEERING NEWS. New York, July 21, 1904

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PERSONAL.

Mr. C. M. Miller has been elected City Engineer of Salisbury, N. C.

Mr. Hugh B. Raines has resigned his position as City Engineer of Dallas, Tex.

Mr. A. C. Goodrich, General Manager of the Keokuk & Western, recently acquired by the Burlington, has resigned.

Mr. A. L. Hartridge, B. S., of Savannah, Ga., has accepted the position of Chief Engineer of the Kansas City, Burlington & Western R. R.

Mr. Wm. H. Cushman has been appointed a Resident Engineer on the New York State Barge Canal work, with headquarters at Fulton, N. Y.

Mr. Louis Doremus Huntoon, M. E., has been appointed Assistant Professor of Mining and Metallurgy in the Sheffield Scientific School, Yale University.

Mr. R. F. Hoffman has been appointed Assistant to General Superintendent of Motive Power of the 'Frisco system, with headquarters at St. Louis, Mo.

Mr. Henry Miller has been appointed General Superintendent of the Missouri District of the Chicago, Burlington & Quincy Ry., with headquarters at St. Louis, Mo.

Mr. Herbert R. Thurston and Miss Elizabeth Randall were married at Somersworth, N. H., July 12. Mr. Thurston is a civil engineer and is located in New York City.

Mr. Theodore N. Ely, M. Am. Soc. C. E., Chief of Motive Power of the Pennsylvania R. R., has received the honorary degree of Doctor of Science from Hamilton College.

Mr. George W. Vallery, General Agent of the Burlington, at Salt Lake City, has been appointed General Manager of the Colorado Midland, to succeed Charles H. Schlocks.

The office of Mr. A. F. Robinson, Bridge Engineer of the Santa Fe Railway System, has been moved from Topeka to Room 1000 Railway Exchange Building, Chicago, Ill.

Mr. Samuel Goodman has been appointed Industrial Agent of the New York Central & Hudson River R. R., with headquarters at the Grand Central Station, New York City.

Mr. Ira C. Boss will be absent from his New York office for several months during the construction of two steel buildings and an ore-reducing mill which he is erecting in California and Nevada.

Dr. Schuyler Skaats Wheeler, President of Crocker-Wheeler Co., electrical manufacturers, sailed July 13, with Mrs. Wheeler, for Europe. It is said that he has planned a coaching trip in England.

P. D. Miller, Assistant Engineer Maintenance of Way of the Richmond Division of the Panhandle, has been made Assistant Engineer of the Cleveland and Pittsburg Division of the Pennsylvania lines.

C. G. Waldo, General Manager of the Cincinnati, Hamilton & Dayton, has been appointed Assistant to Vice-President Cummings, and will be in charge of the C., H. & D. and Cincinnati, Chicago & Louisville.

Mr. C. F. Graff has been appointed Masonry Inspector of the Seattle, Wash., tunnel of the Great Northern Ry., under Alex. Stewart, Resident Engineer of that road. Mr. Graff is a graduate of the University of Wisconsin.

Mr. H. C. Nutt has been appointed General Superintendent of the Iowa District of the Chicago, Burlington & Quincy Ry., with headquarters at Burlington, Ia., and the position of Superintendent of the Iowa lines abolished.

Mr. Robert M. Baxter, formerly with the Union Pacific, and at one time with the Baltimore & Ohio, has been appointed Division Superintendent of the Lehigh Valley, with headquarters at Sayre, Pa., to succeed J. A. Droege, resigned.

Mr. Ernest Wilder Clarke, of Flushing (L. I), N. Y., has been appointed by the Panama Canal Commission Engineer in Charge of the Sewerage and Water-Works to be constructed in the city of Colon, Panama. Mr. Clarke sailed from New York July 19.

Mr. S. C. Brown has been appointed Division Engineer on the New York Division, Greenwood Lake & Northern Railroad of New Jersey Divisions, the New Jersey & New York Railroad, and the Piermont Branch of the Erie R. R., vice Mr. John Roach, resigned.

Mr. Frederic A. C. Perrine, M. Am. Institute E. E., has resigned his position as First Vice-President of the Stanley Electric Manufacturing Co., of Pittsfield, Mass., and will, it is stated, devote his attention exclusively to private practice as consulting engineer.

Mr. B. B. Lathbury, Assoc. M. Am. Soc. C. E., has severed his connection with the firm of Lathbury & Spackman, and the firm has been dissolved. All communications should be addressed to Mr. Lathbury at his office in the Land Title Building, Philadelphia, Pa.

Admiral J. G. Walker, Chairman of the Isthmian Canal Commission; Professor William H. Burr and C. E. Grumsky, also of the commission, have been elected directors of the Panama Railroad Company, succeeding Charles F. Einseidler, J. G. Buchanan and Charles Paine, resigned.

Mr. E. DeV. Tompkins, Assoc. M. Am. Soc. C. E., has resigned as Resident Engineer in charge of the New York office of the Trussed Concrete Steel Co., and has been appointed Manager of the Philadelphia office of the Columbian Fireproofing Co., 1307 Real Estate Trust Building.

Mr. H. D. Judson has been appointed General Superintendent of the Illinois District of the Chicago, Burlington & Quincy Ry., with headquarters at Chicago, succeeding Mr. F. C. Rice, General Superintendent, promoted. Mr. L. A. Howland has been appointed as Assistant to Mr. Judson.

Mr. Louis Terven, E. E., has recently been appointed Chief Electrician of the Nernst Lamp Co., Pittsburg, Pa. Mr. Terven was for some time Electrician of the United States Navy Yard, Port Royal, S. C., which position he resigned to enter the experimental laboratory of the Nernst Lamp Co. Later he was given charge of the Chemical Engineering Department of this company.

OBITUARY.

James Boden, for many years a contractor on harbor work at St. Johns, N. B., died at his home in Brooklyn, N. Y.

Lawson N. Fuller, who, with Cyrus W. Field, built the first elevated railroad in New York, died in that city July 14.

Albert G. Pierce, a prominent business man of Burlington, Vt., died in that city July 11, aged 66 years. For several years he was a civil engineer in Illinois and Wisconsin.

George B. Pearson, a pioneer railroad builder, died at his home in this city July 14. Mr. Pearson was the builder of the Fort Dodge & Fort Ridgeley R. R., some 30 years ago. He was 75 years old.

Adolph Faber Du Faur, Jr., M. Am. Soc. M. E., whose death was briefly mentioned in our issue of July 14, was a graduate of Stevens Institute, in the class of 1884, and commenced his career as an assistant in the office of Van Santvoord & Hauff, 41 Park Row, New York. In 1888 he commenced practice as a patent attorney in the Vanderbilt Building, 132 Nassau St., New York, and continued the business at the same address until the time of his death. In the 17 years of active practice, he secured many noted and valuable patents, among which were the Bristol recording instrument patents, counter flow apparatus for the liquefaction of air, and the Krupp process for hardening armor plates. Mr. Faber du Faur, Jr., was also a partner in the engineering business of Faber du Faur & Donnelly, Mechanical and Civil Engineers, 132 Nassau St., New York. This business was organized in 1897, and will be continued at the same address.

ENGINEERING SOCIETIES.

COMING MEETINGS.

ROADMASTERS AND MAINTENANCE-OF-WAY ASSOCIATION.
Sept. 13, 14, 15. Annual meeting at St. Louis, Mo., Secy., C. E. Jones, Beardstown, Ill.

INTERNATIONAL ELECTRICAL CONGRESS.
Sept. 12 to 16. At St. Louis, Mo. Secy., A. E. Kennelly, Harvard University, Cambridge, Mass.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.
INSTITUTION OF ELECTRICAL ENGINEERS. (Great Britain.)
Sept. 14, 1904. Joint convention at St. Louis, Mo. Secy. Am. Inst. Elec. E., R. W. Pope, 95 Liberty St., New York.

AMERICAN INSTITUTE OF MINING ENGINEERS.
Sept. 14 to 21. Annual convention at Duluth, Minn., and Houghton, Mich. Secy., R. W. Raymond, 99 John St., New York.

INTERNATIONAL ENGINEERING CONGRESS.
Oct. 3 to 8, 1904. Held at St. Louis, Mo., under the auspices of the American Society of Civil Engineers. Secy., Chas. Warren Hunt, 220 W. 57th St., New York.

AMERICAN STREET RAILWAY ASSOCIATION.
AMERICAN RAILWAY MECHANICAL AND ELECTRICAL ASSOCIATION.
STREET RAILWAY ACCOUNTANT'S ASSOCIATION.
Oct. 10 to 15, 1904. Annual meetings at St. Louis, Mo.

RAILWAY SIGNAL ASSOCIATION.
Oct. 11. St. Louis, Mo., Secy., B. B. Adams, 83 Fulton St., New York.

ASSOCIATION OF RAILWAY SUPERINTENDENTS OF BRIDGES AND BUILDINGS.
Oct. 18, 19, 20. Annual meeting at Chicago, Secy., S. F. Patterson, Concord, N. H.

IRON AND STEEL INSTITUTE (Great Britain).
Oct. 24 to 26, 1904. Annual meeting at New York City. Secy., B. H. Brough, 28 Victoria St., London, S. W.

CIVIL SERVICE EXAMINATIONS FOR TECHNICAL POSITIONS.

ENGINEER DRAFTSMAN.—U. S. Civil Service Commission will hold an examination Aug. 17, 18, 19 at various places throughout the country, to secure eligibles to fill a vacancy in the position of Engineer Draftsman in the Supervising Architect's Office, at $1,200 per year, and other similar vacancies as they may occur. Further information may be obtained by applying at once to the U. S. Civil Service Commission, Washington, D. C., for application form 1312. The examination will cover subjects mentioned below:

Subjects.	Weights.
1. Mathematics (pure mathematics up to and including calculus, theoretical and applied mechanics, with special application to the class of work to be done)	25
2. Materials and design (comprising knowledge of steel, iron, fireproofing, etc., and design of columns, girders, trusses, etc.)	40
3. Drawing (involving ability to draw designs neatly to scale, tracing, etc.)	15
4. Educational training and experience	20
Total	100

GEOLOGIST AND PALEONTOLOGIST.—U. S. Civil Service will hold an examination Aug. 24 at various places throughout the country to secure eligibles to fill a vacancy in the position of economic and stratigraphic geologist and paleontologist in the Philippine Service, at $2,000 or $2,250 per annum (according to qualifications), and other similar vacancies as they may occur in that service. Applicants should be competent to carry on independent investigations in stratigraphic and economic geology. They should have some familiarity with Cenozoic paleontology and with the mode of occurrence of nonmetalliferous minerals, particularly petroleum and coal and iron ores. Further information may be obtained by applying to U. S. Civil Service Commission, Washington, D. C., for application forms 2 and 375. The examination will cover the following subjects:

Subjects.	Weights.
1. General geology and mineralogy	15
2. Paleontology	10
3. Economic geology	20
4. Essay on geologic topic	25
5. Education and experience (rated on application form)	30
Total	100

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.), may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
July				
*25	Riprap stone	Boston, Mass.	S.	6-30
*26	Dredging	Chicago, Ill.	S.	6-30
*28	Power plant	Washington, N. C.	S.	7-14
*28	Filtartion plant	Danville, Ky.	S.	7-21
*28	Water-wks.	Silver Springs, N. Y.	S.	7-21
*30	Dredging	Washington, D. C.	S.	7- 7
30	Naval Bldg.	Bremerton, Wash.	S.	6-30
Aug.				
1	Bridge, steel	Pawtucket, R. I.	P., S. & B. S.	7-21
*3	Water-works	Warrenville, S. C.	P. & S.	7-21
6	Brick bldg.	Boston, Mass.	S.	7-21
6	Shops, bldg.	Pensacola, Fla.	S.	7- 7
27	Dry-dock	New York, N. Y.	S.	7-14

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If

more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News, note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS.

July 22. Electric lighting, Spain (Foreign)........July 7
July 25. Power house, etc., Batavia, N. Y..........July 7
Advertised, Eng. News, July 7 to 28.
July 25. Street lighting, Pontiac, Mich. ....July 21
July 25. Street lighting, Los Angeles, Cal........July 21
July 28. Electrical apparatus, Front Royal, Va.....July 21
July 28. Electric light plant, Washington, N. C....July 14
Advertised, Eng. News, July 14 to 28.
July 29. Generators, etc., Athens, O. ....July 21
July 30. Electric lighting, Spain (Foreign).........July 14
Aug. 1. Street lighting, Salem, Ore................July 14
Aug. 1. Generators, etc., Lexington, Ky. ....July 21
Aug. 2. Acetylene plant, Ft. Myer, Va..............July 7
Aug. 31. Canal power, Chicago, Ill.................July 14

BRIDGES.

July 21. Bridge, superstructure, Boston, Mass......July 14
July 21. Bridges, Moscow, Idaho. ....Jun. 23
July 22. Bridge, Fort Benton, Mont..................Jun. 30
July 23. Bridge, Denver, Colo. ....Jun. 30
Advertised, Eng. News, Jun. 30 and July 7.
July 23. Bridges, Marion, Ind.......................July 14
July 23. Substructure, steel, Newcastle, Ind.......July 14
July 23. Bridge abutments, Rising Sun, O.......July 21
July 23. Bridges, Holland Centre, Ont. ....July 21
July 23. Bridge, London, Ont. ....July 21
July 25. Bridge, San Jose, Cal. ....July 21
July 25. Bridge, highway, Farmer City, Ill.........July 21
July 25. Culvert, concrete-steel, Los Angeles, Cal...Jun. 30
July 25. Draw bridge, steel, Green Bay, Wis.......July 14
July 26. Bridge, Indianapolis, Ind. ....July 21
July 26. Bridge, Columbus, O. ....July 21
Advertised, Engineering News, July 21.
July 27. Bridges, Raton, N. Mex. ....July 21
July 27. Bridge, Buffalo, N. Y......................July 21
July 27. Bridge, concrete-steel, Cleveland, O.......July 7
July 27. Bridge, iron, Lima, O......................July 14
July 28. Bridge, Stockton, Cal......................July 21
July 30. Bridge, Oxford Centre, Ont. ....July 21
July 31. Bridge, Sobieski, Wis......................Jun. 23
Advertised, Eng. News, Jun. 23 to July 14.
Aug. 1. Bridge, steel, Chillicothe, O. ....July 21
Aug. 1. Bridge, plate girder, Pawtucket, R. I....July 21
Advertised, Engineering News, July 21.
Aug. 1. Bridges, Newark, O. ....July 21
Aug. 1. Bridge, Rock Island, Ill...................July 21
Aug. 2. Bridges, Bloomfield, Ind. ....July 21
Aug. 2. Bridges, Crawfordsville, Ind. ....July 21
Aug. 2. Bridge, abutments, Versailles, Ind........July 14
Aug. 3. Bridge, Riverside, Cal. ....July 21
Aug. 4. Bridges, Fargo, N. Dak. ....July 21
Aug. 4. Culvert, concrete, Des Moines, Ia.......July 21
Aug. 4. Bridges, Brownstown, Ind. ....July 21
Aug. 6. Bridge, steel, Marion, Ind.................July 14
Aug. 8. Bridge, Glasgow, Mont. ....July 21
Aug. 8. Bridges, steel, Wabash, Ind...............July 21
Aug. 9. Bridge, Indianapolis, Ind. ....July 21
Aug. 9. Bridge, Steamboat Springs, Colo.........July 21
Advertised, Eng. News, July 21 to Aug. 14.

BUILDINGS.

July 22. Heating apparatus, etc., Wauseon, O......July 14
July 22. Church school, Monitowoc, Wis. ....July 21
July 22. Hospital additions, Indianapolis, Ind.....July 21
July 23. Library addition, Columbus, O. ....July 21
July 23. Jail additions, Pittsburg, Pa..............July 14
July 25. Theater, etc., Emmetsburg, Ia.............July 14
July 25. Remodeling court house, Houston, Va....July 14
July 25. Library, Hammond, Ind.....................July 14
July 25. Building alterations, Batavia, N. Y.......July 14
July 25. Buildings, Bedford, N. Y..................July 14
July 25. Town hall, Edgewater, N. J. ....July 21
July 26. Foundation, Washington, D. C............July 7
Advertised, Eng. News, July 7 to 28.
July 27. Roofing, Hoboken, N. J.....................July 7
July 27. Steel cells, Mansfield, O. ....July 7
July 27. Hospital, New York, N. Y..................July 14
July 28. Workhouse, New York, N. Y...............July 14
July 28. Heating and ventilating, Salt Lake City...July 7
July 28. Vacuum heating, Chicago, Ill.............July 21
July 29. Plumbing, Kings Park, N. Y...............July 21
Advertised, Eng. News, July 21 and 28.
July 30. Jail plans, Bisbee, Ariz. ....Jun. 30
July 30. Naval building, Bremerton, Wash..........Jun. 30
Aug. 1. Post office, Marysville, Ky. ....Jun. 30
Advertised, Eng. News, Jun. 30 to July 14.
Aug. 1. Jail, Aberdeen, Miss. ....Jun. 23
Aug. 1. Laundry, Rome, N. Y. ....July 21
Aug. 2. School building, Davenport, Ia. ....July 14
Aug. 2. Post office, Pierre, S. Dak ....Jun. 30
Advertised, Eng. News, Jun. 30 to July 14.
Aug. 2. Laundry, etc., Washington, D. C.........July 14
Aug. 3. Mechanical equipment, Washington, D. C..July 21
Advertised, Eng. News, July 21 and 28.
Aug. 4. Court house, Winona, Miss.................July 21
Aug. 4. Post office bldg., Hutchison, Kan.........July 7
Aug. 6. Shops, building., Pensacola, Fla.........July 7
Aug. 6. Brick bldg., Boston, Mass.................July 21
Aug. 8. Post office, Pekin, Ill. ....July 7
Advertised, Eng. News, July 7 to 21.
Aug. 15. Electric wiring, Lawrence, Mass.........July 21
Aug. 15. School, East St. Louis, Ill.................July 21
Aug. 18. Post office, Wausau, Wis..................July 14
Aug. 22. Court house, Florence, S. C...............July 21
Advertised, Eng. News, July 21 and 28.
Aug. 25. Cathedral plans (Foreign), Roumania......July 7
Aug. 29. Post office, Moberly, Mo..................July 21
Sept. 10. High school, Missoula, Mont. ....Jun. 30

WATER SUPPLY AND IRRIGATION.

July 21. Pumping plant, Cleveland, O...............July 14
July 22. Water mains, Juniata, Pa..................July 14
July 23. Reservoir system, Cameron, Mo.........July 14
July 23. Well, Denver, Colo.........................July 7
July 23. Water-works, Cameron, Mo.................July 7
Advertised, Eng. News, July 7 and 14.
July 23. Water pipe and specials, Washington, D. C. Jun. 23
Advertised, Engineering News, June 23.
July 23. Concrete reservoir, Boyertown, Pa. ......July 21
July 25. Water system, St. Paul, Minn............July 14
July 25. Cast-iron pipe, East Orange, N. J.........July 14
Advertised, Eng. News, July 14 and 21.
July 25. Artesian well, Belle Plaine, Ia............July 21
July 26. Conduit, South Sharon, Pa.................July 21
Advertised, Engineering News, July 21.
July 26. Water-works, Horseheads, N. Y...........July 14
Advertised, Eng. News, July 14.
July 27. Water mains, New York, N. Y...........July 14
July 27. Water-works, Macon, Miss...............July 14
Advertised, Eng. News, July 14 and 21.
July 28. Water-works, Frederic, Wis...............July 14
July 28. Water-works, Danville, Ky.................July 14
Advertised, Eng. News, July 14 and 21.
July 28. Water pipe, Silver Springs, N. Y..........July 21
Aug. 1. Water-works (Foreign), Austria-Hungary. July 7
Aug. 1. Tunnel, Lorain, O..........................July 14
Aug. 2. Water supply imprvmts, Philadelphia, Pa. July 21
Advertised, Eng. News, July 21 and 28.
Aug. 3. Water-works, Warrenville, S. C. ....July 21
Advertised, Eng. News, July 21 and 28.
Aug. 3. Water-works, Rockport, O.................July 14
Aug. 8. Pumping engine, Brandon, Man.........July 14
Advertised, Eng. News, July 14 and 21.
Aug. 10. Water pipe, etc., Columbus, O. ....July 21
Advertised, Eng. News, July 21 to Aug. 4.
Aug. 10. Stand-pipe, Attleboro, Mass................July 21
Advertised, Eng. News, July 21 and 28.
Aug. 15. Franchise, water pipes, Pinole, Cal......July 14
Aug. 18. Water supply and electric light, Italy....Apr. 21
Advertised, Eng. News, Apr. 14 to May 5.
Aug. 18. Reservoir, pipe, etc., Fort Meade, S. Dak...July 21
Advertised, Eng. News, July 21 to Aug. 18.
Aug. 21. Water distribution system, Prescott, Ariz. July 21
Advertised, Eng. News, July 21 to Aug. 18.
Aug. 30. Cast-iron pipes, Java (Foreign).........July 14
Advertised, Eng. News, July 14 and 28.
Sept. 19. Water pipe, Victoria, B. C...............July 21
No date. Water-works, Russellville, Ky. ....Jun. 23
Advertised, Eng. News, June 23 and 30.
No date. Water tank, etc., Onancock, Va...........Jun. 30
Advertised, Eng. News, Jun. 30 and July 7.

SEWERAGE.

July 21. Sewer, Newark, O...........................July 14
July 21. Sewers, Ames, Ia. ....Jun. 30
Advertised, Engineering News, Jun. 30.
July 21. Sewers, Ithaca, N. Y........................July 7
Advertised, Engineering News, July 7.
July 22. Sewers, Dayton, O. ....Jun. 30
Advertised, Eng. News, Jun. 30 to July 14.
July 22. Sewers, tank, etc., Urbana, Ill...........July 14
Advertised, Engineering News, July 14.
July 22. Sewers, Ingram, Pa.........................July 14
July 22. Sewers, Omaha, Neb. ....July 21
July 22. Sewer, Scranton, Pa. ....July 21
July 23. Sewers, Hadley Falls, Mass..............July 21
July 25. Sewers, Bay City, Mich ....July 21
July 25. Sewers, Wabash, Ind. ....July 21
July 25. Sewers, St. Paul, Minn.....................July 21
July 25. Sewer, Springfield, Mass...................July 21
July 25. Sewers, New Castle, Pa. ....July 21
July 25. Sewerage, Eureka Springs, Ark. ....July 7
July 25. Sewerage, Washington, D. C...............July 14
Advertised, Engineering News, July 14.
July 26. Sewer, Virginia, Minn.......................July 14
July 26. Pumping station, sewers, Chicago, Ill......July 14
July 26. Sewer, South Sharon, Pa...................July 21
Advertised, Engineering News, July 21.
July 27. Sewer system, Cold Springs, N. Y.......July 21
Advertised, Engineering News, July 21.
July 27. Sewers, New York, N. Y...................July 21
July 27. Sewers, Akron, O. ....July 21
July 27. Sewers, Grand Rapids, Mich. ....July 14
July 28. Sewers, Woonsocket, R. I.................July 14
Advertised, Eng. News, July 14 and 28.
Aug. 1. Sewers, Corning, N. Y......................July 21
Advertised, Eng. News, July 21 and 28.
Aug. 1. Sewers, Norristown, Pa.....................July 21
Aug. 1. Sewers, Ventura, Cal. ....July 21
Aug. 2. Sewers, Hamilton, O........................July 21
Aug. 2. Sewer, Monticello, Ind. ....July 21
Aug. 2. Drain, etc., Roanoke, Va...................July 7
Advertised, Eng. News, July 7 to Aug. 4.
Aug. 5. Sewers, Janesville, Wis. ....July 21
Aug. 8. Sewage disposal, etc., Washington, D. C..July 14
Advertised, Engineering News, July 14.
Aug. 10. Pumping plant, Columbus, O. ....July 21
Advertised, Eng. News, July 21 to Aug. 11.
Aug. 13. Sewer works, East St. Louis, Ill. ....July 21

STREETS AND ROADS.

July 21. Macadamizing, etc., La Crosse, Wis.......Jun. 30
July 21. Macadamizing, etc., Akron, O..............July 14
July 21. Paving, Des Moines, Ia......................July 14
July 22. Paving, Cleveland, O........................July 14
July 22. Paving, Cincinnati, O. ....Jun. 30
July 22. Paving, etc., Salt Lake City, Utah......July 7
Advertised, Eng. News, July 7 to 28.
July 22. Paving, asphalt, Louisville, Ky. ....July 21
July 23. Road, gravel, Lisbon, Conn..............July 21
July 23. Roads, Greenville, O........................July 7
July 23. Paving, etc., Des Moines, Ia..............July 14
July 23. Sidewalks, Norfolk, Va....................July 14
July 25. Macadam, Winston, N. C. ....July 7
Advertised, Eng. News, July 7 and 14.
July 25. Road, Bowling Green, O. ....July 7
July 25. Paving, brick, South Bend, Ind............Jun. 23
July 25. Paving, Crawfordsville, Ind...............July 21
July 25. Sidewalks, granolithic, Aylmer, Ont. ......July 21
July 26. Paving, Spokane, Wash......................July 21
July 26. Paving, vitrified brick, Stratford, Ont...July 21
July 27. Paving brick, Akron, O.....................July 21
July 27. Paving, Owosso, Mich. ....July 21
Advertised, Engineering News, July 21.
July 27. Paving, etc., Belleville, Ill. ....July 21
Advertised, Engineering News, July 21.
July 27. Paving, Hoboken, N. J.....................July 14
July 28. Paving, brick, Wilmette, Ill. ....July 21
July 28. Paving, etc., New York. ....July 21
July 28. Paving, etc., Champaign, Ill...............July 21
Advertised, Engineering News, July 21.
July 29. Roads, Jefferson Barracks, Mo...........July 21
July 30. Roads, Greenville, O. ....July 7
Aug. 1. Paving, vitrified brick, Toledo, O........July 7
Aug. 1. Road, macadam, Salem, Ind.............July 21
Aug. 1. Paving, Creston, Ia. ....July 21
Aug. 1. Macadamizing, Johnston, N. J...........July 21
Aug. 1. Sidewalks, cement, Anderson, O. ....July 21
Aug. 1. Paving and curbing, Jacksonville, Ill....July 21
Aug. 1. Paving, macadam, Springfield, O.........July 21
Aug. 1. Paving, etc., McKees Rocks, Pa...........July 21
Aug. 2. Road, macadam, Middletown, Del........July 21
Aug. 2. Macadamizing, Lawrenceburg, Ind.......July 21
Aug. 2. Roads, gravel, Brazil, Ind. ....July 21
Aug. 2. Macadamizing, Paterson, N. J............July 21
Advertised, Eng. News, July 21 to Aug. 4.
Aug. 2. Roads, Napoleon, O. ....July 7
Aug. 3. Paving, brick, Cincinnati, O.............July 14
Aug. 5. Roads, Paoli, Ind. ....July 21
Aug. 5. Macadamizing, Tiffin, O. ....July 21
Aug. 6. Sidewalks, White Hall, Ill. ....July 21
Aug. 8. Walks, etc., Ft. Douglas, Utah. ....July 21
Aug. 8. Road, Harrisburg, Pa. ....July 21
Aug. 8. Paving, vitrified brick, Bluffton, O.......July 21
Aug. 9. Curbing, Medina, O. ....July 21
Aug. 10. Paving, etc., Ottumwa, Ia. ....July 21
Aug. 11. Grading, Oswego, N. Y......................July 14
Advertised, Eng. News, July 14 to Aug. 11.
Aug. 18. Paving, brick, Minerva, O. ....July 21
No date. Paving, brick, Morris, Ill..................July 21
Advertised, Eng. News, July 21 to Oct. 1.

Write our advertisers when you intend to buy your supplies and machinery for improvements, or for carrying out your contracts. If you do not find what you want in our advertising pages write us for list of firms, and we will put you in communication with them at once.

MISCELLANEOUS CONTRACTS.

July 21. Dike, Boston, Mass...........................July 14
July 21. Dredging, Montgomery, Ala...............July 14
Advertised, Eng. News, July 14.
July 21. Dredging, Jacksonville, Fla................Jun. 23
Advertised, Eng. News, June 23 to July 21.
July 23. Drainage system, Delaware City, Del......Jun. 30
Advertised, Eng. News, Jun. 30 to July 21.
July 24. Dry-dock, Belgium (Foreign)................Apr. 21
July 24. Port improvements (Foreign), Roumania..July 7
July 25. Coal shed, Fort Screven, Ga................Jun. 30
Advertised, Eng. News, Jun. 30 to July 28.
July 25. Stone, Boston, Mass.........................Jun. 30
Advertised, Eng. News, Jun. 30 to July 28.
July 25. Garbage disposal, Sacramento, Cal.......July 21
July 25. Police station, New York, N. Y.........July 21
July 26. Electric railway tracks, etc, New York....July 21
July 26. Screws, shovels, bolts, etc., Washington .Jun. 30
July 26. Dredging, Chicago, Ill. ....Jun. 30
Advertised, Eng. News, Jun. 30 to July 28.
July 26. Subway, Savannah, Ga......................July 14
July 27. Cement, Cincinnati, O. ....July 7
July 28. Concrete culvert, Richmond, Va. ....Jun. 30
Advertised, Eng. News, Jun. 30 to July 21.
July 28. Supplies, Memphis, Tenn..................July 14
Advertised, Eng. News, July 14 and 21.
July 28. Levee work, Memphis, Tenn...............July 14
Advertised, Eng. News, July 14 and 21.
July 28. Garbage disposal, New Bedford, Mass......July 21
July 29. Dock repairs, New York, N. Y............July 21
Advertised, Engineering News, July 21.
July 29. Steelwork, South Africa (Foreign)........July 14
July 30. Dredging, Washington, D. C. ....July 7
July 31. Sugar factory, Zululand (Foreign).......July 14
Aug. 1. Tunnel, Lorain, O.............................July 14
Aug. 1. Ditch, Chaska, Minn........................July 14
Aug. 1. Dredging, Portland, Me. ....July 7
Advertised, Eng. News, July 7 to Aug. 4.
Aug. 1. School work, New York, N. Y............July 21
Aug. 5. Lock gates, Egypt (Foreign)..............July 14
Aug. 7. Levee work, Shreveport, La...............July 21
Aug. 8. Vessel yard, Duluth, Minn.................July 14
Advertised, Eng. News, July 14 to Aug. 11.
Aug. 9. Breakwater, Washington, D. C............July 7
Aug. 9. Machine tools, Washington, D. C. ....July 21
Aug. 9. Boiler-mechanical draft plant, West Point. July 21
Advertised, Eng. News, July 21 to Aug. 11.
Aug. 12. Wreck removal, Boston, Mass.............July 21
Advertised, Eng. News, July 21 to Aug. 18.
Aug. 15. Shore protection, Richmond, Va.........July 21
Advertised, Eng. News, July 21 to Aug. 18.
Aug. 15. Rolling stock, Siam (Foreign) ....Apr. 21
Aug. 16. Fire brick, pig iron, etc., Washington, D.C. July 21
Aug. 17. Locks, dams, Vicksburg, Miss.............Jun. 16
Advertised, Eng. News, Jun. 16 to July 28.
Aug. 17. Locks and dams, Vicksburg, Miss.........Jun. 23
Advertised, Eng. News, Jun. 23 to Aug. 18.
Aug. 18. Stone placing, Portland, Me. ....July 21
Advertised, Eng. News, July 21 to Aug. 18.
Aug. 20. Wreck removal, Wilmington, Del. ....July 21
Advertised, Eng. News, July 21 to Aug. 18.
Aug. 22. Canal, New Orleans, La.....................July 14
Aug. 23. Machine tools, Washington, D. C. ......July 21
Aug. 24. Excavating, cofferdams, Chicago, Ill. ....Jun. 30
Aug. 25. Cement, Minidoka, Idaho. ....July 21
Advertised, Eng. News, July 21 to Aug. 18.
Aug. 27. Dry-dock, New York, N. Y..................July 14
Sept. 6. Dam, etc., Roswell, N. Mex. ....July 21
Advertised, Eng. News, July 21 to Sept. 1.
Oct. 15. Plans for harbor, Sweden (Foreign)......Apr. 21
No date. Street railway franchise, Shanghai, China. May 19
Advertised, Eng. News, May 19 to Jun. 30.
No date. Dredging, Perth Amboy, N. J..............July 7
Advertised, Engineering News, July 7.

RAILWAYS.

ARKANSAS.—It is reported that surveys are to be run for a railway from Bay, Ark., to the Mississippi river, north or near Blytheville, a distance of about 40 miles. Road will be constructed by the Singer Manufacturing Co. Ben. Brookfield, C. E., may be addressed at Bay.

BAY MINETTE & FORT MORGAN.—T. P. Hamm, Pres., writes that this company has secured funds to construct its proposed line and work of surveys is nearly completed. Contracts for grading will be let immediately, and work rushed so that 45 miles of line will be completed to a point opposite Magnolia Springs, Ala., by January 1, 1905. This road was recently chartered with capital of $200,000 to build a line 62 miles in length, running from Bay Minette, on the line of the Louisville & Nashville Railroad, to Fort Morgan, on the Gulf, in Ala.

BALTIMORE & OHIO.—The Baltimore & Ohio Railroad Co. has sold $1,000,000 of 4% bonds to be used for improvements. D. D. Carothers is Ch. Engr., Baltimore, Md.

CANADIAN PACIFIC RY.—An order has been passed by the Dominion Government authorizing this company to issue $20,000,000 new common stock that will be used to acquire new rolling stock for the road and the various branch lines now being opened up.

DONALDSONVILLE & NAPOLEONVILLE RY.—Mather D. Bringler is reported as saying that this road, of which he is Vice-Pres. and Gen. Mgr., will soon begin building a line from Johnson station, La., on the Texas & Pacific Railway, 38 miles from New Orleans, via Thibodaux and Houma to Caillouet & Maginnis' Ashland Central factory. From a point between Houma and Schriever a branch will run to Donner and Gibson.

GREAT NORTHERN RY.—G. S. Lindsay, 3d Vice-Pres. and Managing Director of the Coal Creek Mines Co., states that surveyors are now engaged on the branch line to connect the Coal Creek mines with the Great Northern Ry. When work is completed bids will be called for and the line built at once. It is to be constructed by the Coal Company under its Morrisey, Fernie and Michel Ry. Co.'s charter.

GRAND TRUNK PACIFIC.—Ottawa, Ont., reports state that on July 13 the amended charter bill passed the Senate. The bill authorizes the construction of the transcontinental line.

GURDON & FORT SMITH.—It is reported that the Gurdon & Fort Smith railroad will be built from Caddo Gap to Greenwood, Ark., about 75 miles.

JENNINGS & NORTHERN.—It is reported that bids are being received to grade the proposed extension from Jennings to Keadle, La., 33 miles, and that the rails are also to be purchased immediately. C. C. Carey is Secy.

KANSAS CITY, MEXICO & ORIENT.—It is stated that the survey for the proposed branch line from a point on its main line at or near San Angelo, Tex., to Brownsville, near the mouth of the Rio Grande, is now being made. The projected route is through southwest Texas for a distance of 300 miles.

LOWVILLE & BEAVER RIVER.—Bids are said to have been received for building this proposed line from Lowville, N. Y., to Croghan, 10 miles. It is stated that the contract for grading will be let at once. F. S. Easton, Lowville, N. Y., is interested.

MIDLAND VALLEY.—This company has filed a mortgage to secure $1,100,000 of bonds.

MEMPHIS, INDIANOLA & GULF.—W. E. Ringgold, Secy. of the proposed Memphis, Indianola & Gulf railroad, is reported as saying that rights of way have been secured through six counties in Mississippi, namely, De Soto, Quitman, Sunflower, Washington, Sharkey and Tunica.

NEW ORLEANS, HOUMA & NORTHWESTERN.—It is reported that the right of way has been secured and the financial arrangements made for building this road. Surveys have been made and the route finally located, and it is estimated that the construction of the road will cost from $6,000 to $8,000 a mile, making the total cost of building the line about $1,500,000. Company was incorporated to build a line from New Orleans to Morgan City, La., 75 miles. Work will begin at Gibson, La., the plan being to build through to Lone Star, Tex. The contractor is James Cirigliano. This road was chartered in December, 1900, and the location surveys were made in 1902. The incorporators were Joseph A. Humphreys, of Lexington, Ky., who is Pres.; R. W. Nelson, of Newport, Ky., and Frank T. Helm, of Covington, Ky. The line will pass through Houma, Gibson and Black Price Island.

OHIO RIVER & WESTERN.—Company has amended its charter to authorize it to extend its line from near Alledonia, Belmont county, to Powhattan and thence to Bellaire. The extension from Alledonia to Temperanceville and thence to Cumberland is also authorized by the amendment. This is said to be a move toward the construction of the line through the coal fields of Guernsey, Noble and Belmont counties, striking somewhat north of the present main line of the road. J. K. Geddes is Gen. Mgr., Zanesville, O.

PENNSYLVANIA.—Philadelphia reports state that the Finance Committee has authorized the expenditure of $500,000 for the construction of freight terminals at Olean, N. Y., on the Buffalo and Allegheny division of this system, and about $100,000 for increased terminal facilities in Philadelphia. Work on the Olean yards will be started within the next ten days, and the local improvements will be done as rapidly as the Maintenance of Way Department can take the work up.

The Aetna Indemnity Co. has furnished a bond to the amount of $100,000 to the Pennsylvania Railroad Co. to insure completion of the North River section of the tunnel within three years by the O'Rourke Construction Co. The premium paid is $10,000.

ST. LOUIS, SAN FRANCISCO & TEXAS.—It is officially announced that this company has acquired by purchase the railroad and property of the Red River, Texas and Southern Railway Co., and has contracted to purchase the railroad and property of the Oklahoma City and Texas Railroad Co. and the railroad and property of the Blackwell, Enid and Texas Railway Co.

SOMERSET RY.—It is stated that work on the survey for the extension of the road is being pushed rapidly, and that several contractors have inspected the route preparatory to putting in bids for the work of construction. The extension will be from Bingham, Me., at the Forks of the Kennebec, to Birch Point, on Moosehead Lake. It is expected that the laying of rails will begin next month. W. M. Ayer, Oakland, Me., is Mgr.

NEW INCORPORATIONS AND CHARTERS.

BAYFIELD, LAKE SHORE & WESTERN.—Wis.—It is reported that a company has been organized to build a railroad from Bayfield, Wis., to Superior, 65 miles. Work will be begun at once. Robert R. Dunn, of St. Paul, Minn., is said to be interested.

DEPUE & NORTHERN.—Ill.—This company has been incorporated to build from Depue northeast to Seatonville, both in Bureau County, 6 miles. William B. McIlvaine, Lakeside, Ill.; Houston C. Adcock, Western Springs, Ill., and others are incorporators.

MINNEAPOLIS & RAINY RIVER.—Minn.—This company, capitalized at $1,000,000 and with headquarters in Minneapolis, has filed incorporation papers. The line of railway of the company is to extend from Minneapolis to a point on the Rainy river in Itasca county. From there a branch is to go northwest to the Big Fork river, passing through Hennepin, Ramsey, Anoka, Isanti, Kanabec, Mille Lacs, Crow Wing, Cass, and Itasca counties. William T. Joyce, Chicago, Pres.; H. C. Akeley, Minneapolis, Vice-Pres.; Frank C. Dearhard, Minneapolis, Gen. Mgr.

ST. CLAIR COAL RY.—Ill.—Company, with $10,000 capital, has been incorporated to construct a line from Collinsville, Madison county, south and southwest to the northwest quarter of section 10, township 2, north range, west, in county of St. Clair. Incorporators and first board of directors, L. O. Whitney, Vienna, Ill.; W. S. Forman, M. M. Stephens, H. T. Browning, Fred Pausch, East St. Louis.

ST. JOSEPH, STANBERRY & NORTHERN RY.—Mo.—This line has been incorporated at St. Joseph, Mo., to build a standard gage railway from there to Stanberry, Mo., 39 miles. The directors are George C. Sims, of Des Moines, Ia.; Alice M. Butler, S. F. Moore, J. E. Patrick and John J. Lea, all of St. Joseph.

STREET AND ELECTRIC RAILWAYS.

MANCHESTER, N. H.—It is reported that the projected electric road from Manchester to Haverhill, Mass., will be built this summer and that work on the same will be commenced at once.

NEW YORK, N. Y.—Bids are asked by the Commissioner of Bridges, 13 Park Row, until July 26 for constructing conduit, electric railway tracks, etc., on the Williamsburg Bridge. Bids are also asked until same date for construction of Brooklyn Plaza overhead trolley railway tracks and loops, overhead trolley railway stub terminal, Manhattan, and the complete electrical equipment for all the overhead trolley railway tracks on the Williamsburg Bridge. Geo. E. Best, Comr.

SCHENECTADY, N. Y.—The Central Hudson Railroad and the General Electric Co. will build a third rail electric system from Schenectady to Hoffman to test the electric locomotives which are to be used on the Hudson River division of the Central Railroad from Grand Central Station, New York, to a point about 35 miles up the road. The new road will be about six miles long and will be used exclusively for experimenting with the new locomotives. If the test proves successful the electric locomotives will be put in commission.

ELMA, N. Y.—The Buffalo, Gardenville & Ebenezer Ry. Co. has filed an application with Albert A. Mayer, Comr. of Highways, asking for consent to build its road in Elma. The application is being considered. W. J. Sterritt, of Middleport, is Pres.

EAST ORANGE, N. J.—The application from the North Jersey Street Railway for a franchise for a trolley line in North Park St. will be considered by the City Council Aug. 8. Frederick W. Evans, of Newark, is Secy.

POTTSTOWN, PA.—The officials of the Trappe & Limerick Electric Street Ry. Co., decided to build an extension to Pottstown, a distance of 6 miles. They will enter the borough limits on Queen St. and will come up Queen to Adams, to King, to York, to High, the terminus.

DARBY, PA.—An ordinance was passed by Darby Council granting permission to the Darby & Yeadon Street Ry. Co. to enter the borough. This line is a branch of the Philadelphia Rapid Transit Co. W. S. Twining, of Philadelphia, is Ch. Engr.

MEYERSDALE, PA.—Reported that the Meyersdale-Salisbury trolley line will be extended to Garrett, Pa. A. O. Lorentz is Supt.

FAIRMONT, W. VA.—Thos. W. Fleming, City, Pres. Fairmont & Mannington Electric Ry. Co., informs us that the contract for constructing the proposed electric line from Fairmount to Mannington, a distance of 16 miles, will soon be awarded. Surveys have been completed and right of way is being got.

JACKSON, MISS.—S. P. Barton, a local capitalist, interested in the building of the interurban electric railroad from here to Vicksburg states that Mr. Paige, Ch. Engr. of company, is preparing plans. It is expected that work will begin before the end of the year.

NASHVILLE, TENN.—Survey has been started preparatory to building the Nashville & Columbia Electric Ry. Co. H. M. Gross and T. J. Hawkins, of Pittsburg, can inform.

PRINCETON, IND.—The Evansville-Princeton Traction Co. reorganized here under the name of the Indianapolis, Evansville & Princeton Traction Co. The purpose of the reorganization is to build lines to Mt. Vernon, Poseyville and New Harmony, extending north to Patoka, Hazelton and Petersburg.

OWOSSO, MICH.—The Ionia-Owosso electric line was incorporated at Lansing with a capital stock of $1,500,000.

CHICAGO, ILL.—Chicago capitalists have organized a company to build and operate the first large interurban electric railway in Nebraska. The company will be known as the Omaha & Nebraska Central Electric railway. It will be 200 miles long and extend from Omaha to South Omaha and in a westerly direction through Millard, Wahoo, David City, Osceola, Stromberg, Arborville, Aurora and Hastings. The road will carry passengers, mail and freight and be constructed of standard gage. It will be equipped with high-speed cars of modern construction 65 ft. long and there will be a public telegraph and telephone service in connection with it. Work will begin immediately and it will be completed within a year.

CANTON, ILL.—The Board of Highway Commissioners of Canton Township has granted the Illinois Central Electric Ry. Co. a right of way in this city.

WEBB CITY, MO.—There is a move on foot to build an extension of the electric railroad which connects this city with Joplin, Carthage, Carterville and Galena, Kan., to Baxter Springs. The project is being backed by the Spring River Power Co., which is to build a mammoth electric plant on Spring river, near Lowell, Kan. If this extension is made the line will have connections with towns more than 35 miles apart. The head offices and electric power plant of the Southwest Missouri Electric Ry. Co. are in this city. S. W. Gunsalus, of Harrisburg, Pa., is Supt.

CLEBURNE, TEX.—L. W. Dunn and associates are promoting the project of constructing a street railway system and installing an electric light plant at Cleburne.

GALVESTON, TEX.—It is reported that the Galveston City Ry. Co. will make extensions and improvements to its system. R. B. Baer, City, is Pres. and Gen. Mgr.

GALVESTON, TEX.—The final survey of the proposed route of the Houston-Galveston Interurban Railway between Houston and Galveston has been completed.

MUSKOGEE, I. T.—There is a move on foot by the projectors of the Muskogee Electric Street Railway to build an electric line from Muskogee to Fort Gibson, a distance of seven miles. There is hardly any doubt but what the line will be built in the very near future.

HOLLISTER, CAL.—The Watsonville Transportation Co. has completed arrangements for extending its electric railway from Watsonville to Hollister via San Juan valley. W. J. Rogers is Gen. Mgr.

KINGMAN, ARIZ.—The survey has been completed for an electric railway that is to be constructed from Yucca, Ariz., to the mining camp of Cedar. The proposed road is to handle both freight and passengers.

WINNIPEG, MAN.—The Winnipeg Electric Street Ry. Co. has decided to extend their line along Logan Ave. to McPhillips Ave.

LONDON, ONT.—London Electric Street Ry. Co. and the City Council of London have reached an agreement whereby the road will be extended over the Hamilton road, Wortley road and South St. Belt line, in all two miles of track.

HAMILTON, ONT.—The Hamilton Electric Radial Ry. Co. is calling for tenders for the extension of its line from present terminus at Burlington to Oakville, a distance of 10½ miles.

LIGHT, HEAT AND POWER PLANTS.

BENNINGTON, VT.—The Bennington Gas Co., recently incorporated, is reported to be ready to begin the erection of a $60,000 plant. Mentioned last week.

BOSTON, MASS.—Bids were received by the Bureau of Yards and Docks, for two condenser sets at Navy Yard. Henry R. Worthington, 114 Liberty St., New York, was lowest bidder on item 1, at $8,320. Bids also were received for power house plant apparatus. Conners Bros. Construction Co., 16 Thorndike St., Lowell, Mass., was lowest bidder on item 1 at $23,100. Bids were received for 750-KW. steam turbo-generator units, for Navy Yard. The Warren Electric Mfg. Co., Market and Fulton Sts., Sandusky, O., was lowest bidder on item 1 at $47,500.

BARRE, VT.—The People's Lighting, Heating & Power Co. has placed a contract for six miles of cast iron pipes with the New England Pipe & Cement Co., of Boston. It is reported that the Barre plant will be one of the largest ones in Vermont.

DANVILLE, PA.—The Rumsey Electrical & Mfg. Co., Philadelphia, was awarded the contract, at $14,907, for constructing a complete electric light plant here. Harry B. Patton is Boro. Sec.

NEW YORK, N. Y.—New York & Queens County Gas Co., of New York City, has been incorporated. Capital, $600,000. Directors, Charles Thomas, of Flushing, L. I.; J. F. Eagles, of New York, and Harry L. Snyder, of Montclair, N. J.

The New York & Westchester Lighting Co., of Port Chester, Westchester County, has been incorporated to operate in New York City, Yonkers, New Rochelle, Mt. Vernon and the towns and villages of Westchester County. Directors: Cortland Betts, of Morristown, N. J.; Frederick N. Gilbert, of Brooklyn, and Joseph E. Freeman, of New York City. Capital, $250,000.

GENEVA, N. Y.—It is reported that the electric light plants of Auburn, Waterloo, Seneca Falls and this city will be consolidated and that a new and modern plant will be erected at East Geneva.

HACKENSACK, N. J.—The Bogota Water & Light Co. has filed a certificate of incorporation, increasing its capital stock from $10,000 to $20,000.

CUMBERLAND, MD.—The Potomac Light & Power Co. has been incorporated by G. Tayloe Blackford, of Baltimore, and G. M. Botchford, William MacL. Somerville, Alfred T. Wilson and Lloyd Lowndes, Jr., of Cumberland. The capital stock is $50,000. The company has applied to the mayor and city council for a franchise. A suitable site has been secured and work will be commenced in the erection of the plant after the franchise is granted.

WASHINGTON, D. C.—Bids were received on July 16 by the Bureau of Yards and Docks, Navy Dept., for machinery for power plant extension at Navy Yard. Brown Corliss Engine Co., Corliss, Wis., was lowest bidder on item 1, at $82,300.

WASHINGTON, N. C.—Specifications for an electric light plant, for which bids are advertised in Engineering News, until July 28, are on file at New York office of Engineering News. J. L. Ludlow, Engr., Winston-Salem, N. C.

HARRISONBURG, VA.—Council will issue $60,000 of 4% bonds for an electric light plant.

STUART, VA.—Stuart Light & Power Co., E. J. Harvey, Secy., wants machinery and equipment for electric light plant to supply 500 to 600 18-c. p. lights.

FRONT ROYAL, VA.—Bids are asked by W. J. Kendrick, Recorder, until July 28 for furnishing necessary electrical machinery for electric light plant and installing same; also for furnishing and installing water wheels for the development of water power to operate plant. Bids will be received for the work as a whole or separately.

WHEELING, W. VA.—On July 12 fire damaged the electric power plant of the Wheeling Creek mine of the Lorain Coal & Dock Co. to the extent of $25,000. Practically all of the machinery was damaged beyond repair.

FORT MILL, S. C.—J. M. Spratt and W. B. Meacham will establish an electric light plant here.

TIMMONSVILLE, S. C.—Town contemplates establishing electric light plant and water-works, and estimates are being invited. A. J. Broom, Town Secy. and Treas., wants estimates on complete electric light plant. Population, 1,000.

BELTON, S. C.—The Belton Power Co., recently incorporated with $100,000 capital, will begin work immediately it is reported, and it is planned to have the plant in operation within eight months, developing from 4,500 to 5,000 HP.

GAINESVILLE, GA.—J. G. Hynds Shoe Manufacturing Co. will install an electric light plant, 150 16-candle incandescent lights.

DECATUR, ALA.—The Decatur Light, Power and Fuel Co., with offices in New York, has been chartered here. Charles E. Mayer, of Decatur, is Alabama agent.

NEW ORLEANS, LA.—The Sewerage and Water Board, Drainage Dept., 602 Carondelet St., will receive bids until August 15 for furnishing and erecting two complete gas producer plants for supplying gas to gas engines and making additions to transmission line and switchboard.

NEW ORLEANS, LA.—R. D. Wood & Co., of Philadelphia, Pa., have been awarded the contract at about $60,000 for the 1,000,000-ft. gas-holder for the New Orleans Lighting Co. Thomas D. Miller, Mgr.

PEMBROKE, KY.—R. W. Downer, P. E. Downer, T. D. Jameson and others have incorporated the Pembroke Light & Water Co., with a capital of $20,000, to furnish the city with electric light and water. It is proposed to construct a plant at once.

LEXINGTON, KY.—Bids are asked until Aug. 1 by J. S. Redwine, Supt. Eastern Kentucky Asylum for the Insane, for the erection of two 35-kilowatt generators and engines complete; also one 75-kilowatt generator with slow speed.

BELLEVUE, O.—The franchise of the Bellevue Electric Light and Power Co. expires next May. Council has called a special election to be held on August 9 to submit to a vote a proposition to issue bonds for $40,000 to establish a municipal electric light plant and to move the present water-works station so it could be run in connection therewith.

ATHENS, OHIO.—Bids are asked by the board of trustees, State Hospital, until July 29 for erecting two direct connected engines and generators, one switchboard, steam piping and smokestack.

BELLAIRE, O.—S. Pearson has been awarded the contract to construct the concrete foundations for the Bellaire Light and Power Co.'s plant.

SOUTH BEND, IND.—G. M. Gest, of New York, has been awarded the complete installation of an underground conduit system, including all the electrical distribution to service and house connections, for the South Bend Electric Co. This work covers all of the main streets of that city. The Oliver Chilled Plow Co., which owns a private plant here, has contracted with same contractor for the construction of its underground conduit system.

LANSING, MICH.—The Board of Commissioners of Water and Electric Light Department have decided to make extensive changes in the electric light system, and have directed the superintendent to secure bids for the new equipment.

Information concerning contracts to be let or supplies to be furnished, and corrections of errors and omissions in published items, are invited. Full details regarding the equipment, tools, etc., required for the proposed improvements are specially desired.

MUNCIE, IND.—The Muncie Gas Light & Fuel Co. will build a gas reservoir and an artificial gas plant. Robt. H. Adams is Secy.

PONTIAC, MICH.—Bids are asked until July 25 for the electric street lighting of the city for a period of ten years on a schedule of every night until 1 o'clock a. m., standard time. Wm. J. O'Reilly, Cy. Clk.

GRAND RAPIDS, MICH.—The Grand Rapids Gas Co. has plans for a brick building, 50 × 100 ft. and 30 ft. high, to be erected on Oakland Ave. Two gas scrubbers, exhausters and other devices, probably, will be installed.

CHARLEVOIX, MICH.—The proposition submitted to the Village Council by Henry Richardi, of Bellaire, to furnish electric light and power for this place has been accepted at a special meeting of the Council. The plan involves the generation of power at Bellaire from water power in the Intermediate River. The contract calls for the completion of the power plant there and the installation of current here by June 1, 1905.

DES MOINES, IA.—The State Board of Control has awarded contracts for generators to the General Electric Co., of Chicago, and for engines to A. L. Ide & Sons, Springfield, Ill., for new lighting plants at the state institutions at Fort Madison and Davenport.

CLINTON, IA.—The Clinton Gas Co. is taking bids for a generator, 300, 400 or 500-KW., and an engine, 400, 500 or 700-HP.; slow speed, simple, compound, or compound condensing.

HANNIBAL, MO.—The city has sold $75,000 of electric light bonds.

KANSAS CITY, MO.—W. K. Palmer, M. E., 718 Dwight Building, will receive bids for the complete installation of the equipment of an illuminating gas plant necessary for an output of 200,000 cu. ft. of illuminating gas, the process to be such as will be suitable for the use of a good grade of bituminous coal.

CURTIS, COLO.—Jacob E. Himes and several Kansas City associates have filed plans in the State Engineer's office looking to the establishment of a power plant near this city. Water will be piped from Ten Mile canon from Wheeler, and in going this distance a fall of some 500 ft. will be obtained, which will generate fully 40,000 HP. The power will be utilized in generating electricity, to furnish light and power to various towns and camps in the vicinity. About $500,000 will be invested at once in the plan, and this amount will be added to later as required.

SPOKANE, WASH.—H. M. Williams, manager of the Panhandle Smelting & Refining Co., states that the contract for the power house on the west side of Sand Creek, two miles above the smelter, will be let immediately, and the machinery contract will be awarded in 20 days. The smelter and power house are near Sandpoint, Idaho.

LORDSBURG, CAL.—Frank H. Massey has arranged with Edison Electric Light Co. to furnish light and power for Lordsburg and La Verne, it is reported. Wires will be extended from North Pomona and later to San Dimas. The large pumping plant of the Lordsburg water-works will be equipped with electric power.

FERNDALE, CAL.—Manager Barnes, of the Ferndale electric light plant, is reported to have stated that his company has purchased land a short distance east of town, upon which will be erected a new light building. Other improvements are also contemplated.

RED BLUFF, CAL.—Richard Gernon and assistants have surveyed road to the site for the first power plant to be erected by the Tehama County Power & Transportation Co. Mr. Gernon says 6,000 HP. can be developed. The party will soon commence work on the survey and construction of the second stretch of road, which will be built to the site selected for the second power station, where 4,000 to 5,000 HP. more can be developed.

LOS ANGELES, CAL.—Bids are asked until July 25 by City Clerk for municipal street lighting for city for 1905.

MILLVILLE, CAL.—F. P. Primm, of Redding, has appropriated 3,000 inches of water to be taken from Clover Creek, 800 yds. north of Clover Creek Falls, and conveyed by flume, ditch and pipe line to a point near the falls, where power will be created to furnish the upper end of the Sacramento Valley.

JACKSONVILLE, CAL.—The Tuolumne County Water & Electric Power Co. will extend its power line from Jacksonville to Big Oak Flat and Groveland as soon as surveys can be made and the right of way is secured.

LEWISTON, IDAHO.—The Lewiston Gas Company will erect and equip a $40,000 building. Work will begin at once.

BRIDGES.

SHORTSVILLE, N. Y.—The contract for building a new bridge over Canandaigua outlet, at Manchester Center, has been awarded to the Syracuse Bridge Co., for $2,800.

BUFFALO, N. Y.—Bids are asked by Department of Public Works until July 27 for construction of a temporary crossing of Buffalo River during the construction of the new bridge at Ohio St. Plans and specifications can be seen at Bureau of Engineering. Francis G. Ward, Comr.

FORT HANCOCK, N. J.—Contract for building a trestle at Fort Hancock was awarded by Lieut. Glenn F. Jenks, U. S. A., to A. F. Chapman & Co., of Buffalo, for $60,000. The bids ran from $45,000 to $100,000.

DANVILLE, PA.—The King Bridge Co., of Cleveland, was the lowest bidder for construction of an iron bridge over the North Branch. The price is $134,900.

BEAVER FALLS, PA.—The Penn Bridge Co., City, were awarded contract for erection of bridges at Moravia, Sharpsville, Wayne County, and Lackawanna County; all in this state.

READING, PA.—The County Commissioners awarded to Simon Hoyer, at $11,000, the contract to rebuild the Lancaster bridge. Bridge is to be 6 ft. higher than the old one.

PAWTUCKET, R. I.—Bids are asked by Cross Street Bridge Commission until Aug. 1 for constructing abutments and center pier and a steel plate girder bridge, solid floor, across the Blackstone River. Plans and specifications may be seen at the office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

CLARKSBURG, W. VA.—The County Commissioners contemplate the construction of a steel bridge over West Fork River, to cost $11,000.

PELHAM, S. C.—Bids are asked until July 23 for constructing a bridge over Enoree River. J. E. Speegle, County Supv.

BRISTOL, TENN.—The County Court of Sullivan County has let the contract to Cope Bridge Co., of Chattanooga, for the erection of an iron bridge 600 ft. in length to span the Holston River at Dickson's Ferry. The contract price for this bridge, which is to have a roadway space of 16 ft., is $14,987. Sevier County let the contract to the same company for a one-span bridge of 150 ft. for $3,000.

CENTERVILLE, TENN.—Quarterly court has ordered the building of two bridges in the county, one over Swan Creek and the other over Piney Creek, at Vernon. The aggregate cost of the bridges is to be $6,800. The contract was let to Nashville Bridge & Construction Co.

COVINGTON, KY.—Over $100,000 will be expended in overhauling and repairing the central bridge. County Clerk Betz, at Newport, can inform.

COLUMBUS, O.—The Board Public Service has instructed the clerk to advertise for bids for the masonry and superstructure of a single-track bridge across Scioto River at the proposed sewage disposal works.

CHILLICOTHE, O.—Bids are asked by Chas. H. Pinto, Audr., Ross County, until Aug. 1 for construction of a steel-riveted high truss bridge over the north fork of Paint creek. Bridge to consist of one span 140 ft., and one apron span 30 ft., each with a 14 ft. roadway. Plans on file in County Surveyor's office.

NEWARK, O.—Bids are asked by Licking County Commissioners until Aug. 1 for constructing superstructure of Mears bridge in Monroe Township, consisting of one span, 64 ft. long, 14-ft. roadway and 125 pd. capacity. Also for one span of Horn's Mill bridge in Newark Township, 104 ft. long, 16 ft. roadway and 125 pd. capacity. Bidders will be required to furnish their own plans. A. R. Pitser, County Audr.

COLUMBUS, O.—Bids are asked by Board Public Service until July 26 for building the masonry substructure, 450 ft. steel superstructure, across the Scioto River. Julian Griggs, Ch. Engr.; Chas. H. Frank, Secy. (Advertised, Engineering News.)

WABASH, IND.—Bids are asked by Daviess County Commissioners until Aug. 8 for constructing five steel bridges. Plans and specifications on file in office of Thomas Nugent, Audr.

RISING SUN, IND.—Bids are asked by James W. Corson, Audr., Ohio County, until July 23 for reconstruction of abutments to the Gillespie bridge. Specifications on file in Auditor's office.

INDIANAPOLIS, IND.—Bids are asked by Marion County Commissioners until Aug. 9 for construction of a bridge over White River at Crows Nest. J. E. McGaughey, Chn.

WINCHESTER, IND.—The following contracts were awarded July 12 by County Commissioners, J. H. Baltz, Audr.: Indiana Bridge Co., Muncie, Ind., 20 bridges, length 9 ft. to 70 ft., 16 ft. roadway for $6,997; J. F. Moorman, City, 17 steel concrete bridges, length, 5 ft. to 14 ft., 16 ft. roadway and concrete substructure for 12 bridges for $9,000.

CRAWFORDSVILLE, IND.—Bids are asked by Montgomery County Commissioners until Aug. 2 for construction of nine bridges.

BLOOMFIELD, IND.—Bids are asked by Wm. H. Deeker, Audr. Greene County, until Aug. 2 for construction of three bridges.

INDIANAPOLIS, IND.—Bids are asked by Marion County Commissioners until July 26 for construction of a bridge over Fall Creek. Plans and specifications on file in office of Cyrus J. Clark, Audr.

BROWNSTOWN, IND.—Bids are asked by Ashbury H. Manuel, Audr., Jackson County, until Aug. 4, for construction of 14 bridges.

BLOOMFIELD, IND.—The County Commissioners awarded the contract to the Indiana Bridge Co., of Muncie for the repair of bridge across White River at this place one-half of which went down last March. The bid was $21,995, being the lowest of ten.

ROCK ISLAND, ILL.—Wallace Treichler, Cy. Engr., informs us that bids are asked until Aug. 1 for constructing a two-span street highway bridge over Rock River.

CHICAGO, ILL.—The following bids were received by Board of Trustees of Sanitary District, July 13, for constructing substructure and superstructure of bridge across Chicago River at 22d St.:

Substructure: Chicago & Great Lakes Dredge & Dock Co., $83,643; Fitzsimmons & Cornell Co., $88,658; Roemheld & Gallery, $91,342; Jackson Corbett Co., $93,445.

Superstructure: Jackson & Corbett Bridge & Steel Works, $172,748; McClintock-Marshall Construction Co., $179,115; Chicago Bridge & Iron Works, $180,245; Roemheld & Gallery, $186,088; Riter-Conley Mfg. Co., Pittsburg, Pa., $190,476; American Bridge Co., $192,707; C. L. Strobel, $198,000. All bidders, except Riter-Conley Mfg. Co., are of Chicago. It is stated that the Jackson & Corbett Co. have received the contract for superstructure. S. D. Griffin is Clk.

PEKIN, ILL.—The contract for a bridge over Sugar Creek, in Hittle Township, was let to J. H. Burnham for $2,336. The bridge is a 96 ft. iron span.

FARMER CITY, ILL.—Bids are asked by City Council until July 25 for constructing a 90 × 14 ft. highway bridge on stone masonry. Plans and specifications on file at office of Town Clerk.

MANCHESTER, IA.—The Board of Supervisors of Delaware County have awarded the contract for a 130 ft. steel highway bridge at Dundee to J. G. Ratcliffe, of Waukou, Ia., for $4,599.

DES MOINES, IA.—Bids are asked by Board Public Works until Aug. 4 for constructing a 16 ft. concrete culvert at East Walnut St. Plans and specifications on file in office of Board.

ELK RIVER, MINN.—Village has voted to issue bonds for the purpose of building a bridge across the Mississippi.

FARGO, N. DAK.—Bids are asked by Arthur G. Lewis, County Audr., until Aug. 4 for constructing several bridges. Plans and specifications on file in office of Auditor.

GLASGOW, MONT.—Bids are asked by County Commissioners until Aug. 8 for constructing a combination bridge over Frenchman creek on steel tubular piers. R. J. Crossett, Clk.

GALVESTON, TEX.—The Board of County Commissioners have had plans prepared for a big causeway which will be built across Galveston Bay to connect Galveston Island with the mainland. The causeway will be placed at the disposal of the steam railroads, and will also be used by the Houston-Galveston Interurban line to obtain an entrance to Galveston. The plans provide that the causeway shall be 80 ft. wide, with a draw in the center. It will provide a double track, a wagon way and a walk for pedestrians.

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STEAMBOAT SPRINGS, COLO.—Bids are asked until Aug. 9 for construction of a 100-ft. span bridge, [illegible] ft. roadway, across the Yampa River. To be of [illegible] or wood and steel. (Advertised, Engineering News.)

RATON, N. MEX.—Bids are asked by Colfax County Commissioners until July 27 for construction of a bridge across Chicorica Creek. Also a bridge across the Cimarron. J. P. Brackett, County Clk.

STOCKTON, CAL.—Bids are asked by Eugene Gr[illegible], Clk., San Joaquin County, until July 28 for the erection of a bridge over Stanislaus River.

STOCKTON, CAL.—All bids for the bridge over P[illegible]er House slough on the French Camp road were rejected by Supervisors, as they were considered too high. The County Surveyor estimated the cost at $4,500. The bids were as follows: Clark & Henery, $5,485; Burrell Const. Co., $5,530; Dundon Bridge & Const. Co., $5,550.

SACRAMENTO, CAL.—Bids for proposed Alder creek bridge were received by Supervisors as follows: W. N. Concanon, concrete, $6,600, concrete steel, $6,520, masonry, $12,400; Jas. McGillivray, concrete, $6,750, concrete steel, $6,850; Clark & Henery, concrete, $6,740, concrete steel, $6,590, masonry, $11,900. Bids were referred to a committee.

SAN JOSE, CAL.—Bids are asked by Board of Supervisors of Santa Clara County until July 25 for construction of a bridge over Stevens creek. Plans and specifications on file in office of Board. Henry A. Pfister, Clk.

TORONTO, ONT.—Waddell & Hedrick, Kansas City, Mo., have opened offices in Toronto and Montreal, Canada, with the DeLano-Osborn Engineering Co. as representatives. The object being to secure the engineering work on large bridges throughout the Dominion. The firm is already doing considerable work in this country.

RIVERSIDE, CAL.—Bids are asked by Board of Supervisors until Aug. 3 for constructing a steel bridge in West Riverside.

HOLLAND CENTRE, ONT.—Bids are asked by Anthony Shute, Chn. Rd. and Bridge Com., until July 23 for a steel bridge, 70 ft. span; two cement concrete abutments; removing old bridge, filling, etc.; one steel bridge, 50 ft. span; two cement concrete abutments. R. McDowall, County Engr., Owen Sound.

OXFORD CENTRE, ONT.—Bids are asked by F. [illegible] Jackson, Clk. of East Oxford, until July 30 for building abutments of Portland cement; also for the erection of a Warren truss bridge superstructure. Contractors to submit plans and specifications with their bid.

LONDON, ONT.—Bids are asked by T. E. Robson, County Clk., until July 23 for constructing the Byron bridge over the river Thames, requiring two steel spans of 120 ft. each, with substructure containing about 1,000 cu. yds. concrete. Chas. Talbot, County Engr., City.

BUILDINGS.

BOSTON, MASS.—Plans for the department store to be erected on the block bounded by Washington and Essex Sts., Harrison Ave. extension and Hayward Pl., for Henry Siegel & Co., of New York, have been prepared by Winslow & Wetherell, Archs., Phipps Bldg. Cost will be about $6,000,000, which includes cost of site. The new building will be constructed of light brick and terra-cotta trimmings; plate glass, movable stairs, rapid running passenger elevators, electric light plant, etc.

LAWRENCE, MASS.—Bids are asked by the Supervising Architect, Treasury Department, Washington, D. C., until August 15 for the installation of a conduit and electric wiring system for post-office here. James Knox Taylor, Supervis. Arch.

BOSTON, MASS.—Bids are asked by the Bureau of Yards and Docks, Navy Dept., Washington, until August 6, for constructing a brick building, about 55 × 113 ft., at the Navy Yard. Mordecai T. Endicott, Ch. Specifications for this work are on file at office of Engineering News, New York.

NEW YORK, N. Y.—The Foundation & Contracting Co., 32 Nassau St., has been awarded the contract for the pneumatic caisson foundations of the new Commercial Cable Building Annex, Exchange Pl. and New St. Franklin Remington, Pres., informs us that the contract calls for the enclosure of lot with a continuous line of caissons connected together, and the general excavation of the interior of the lot to a depth of about 30 ft. below curb. Howells & Stokes, 100 William St., are Archs. The general contractor has not yet been decided upon. The pneumatic caissons upon which the building rests will be sunk to rock, which is found, at that location, about 45 ft. below curb. The foundations are to be all finished in 90 days. Tearing down operations began July 7.

NEW YORK, N. Y.—Bids are asked until Aug. 1 by Board of Education for sanitary work and gas fitting of additions and alterations in Public School 85, Borough of Brooklyin; also for improving new lots, laboratory work, alterations, etc., as follows: School 21—masonry, carpentry, etc.; School 26—masonry, carpentry, sanitary work, heating work, etc.; School 82—masonry, carpentry, sanitary work, etc.; School 107—masonry, carpentry, sanitary work, heating work, electric work, etc.; School 108—masonry, carpentry, heating work, electric work, etc.; School 122—laboratory work, sanitary work, etc.; School 130, (Annex No. 1)—masonry, carpentry, electric work, etc. C. B. J. Snyder, Supt. Bldgs.

Bids are asked by the Police Department, 300 Mulberry St., until July 25, for erecting the new station house, prison and stable for the 72d Precinct, on Lawrence Ave., Borough of Brooklyn. Wm. McAdoo, Comr.

KINGS PARK, N. Y.—Bids are asked by the States Commission in Lunacy, Albany, until July 29 for plumbing in Cottages 17-31 inclusive at the Long Island State Hospital. T. E. McGarr, Secy. (Advertised, Engineering News.)

ITHACA, N. Y.—John V. Schaeffer, Jr., Contractor, 9-13 East 59th St., New York, writes us that he is still receiving estimates on iron work for two halls that he is erecting for Cornell University.

GLENS FALLS, N. Y.—Six bids for the new high school building, ranging from $136,000 to $158,000, all exceeding the appropriation, have been received by the building committee of the Board of Education and rejected. Appropriation is $115,000.

BUFFALO, N. Y.—Work on the United States Marine Hospital, that is to be located in Main St., north of Humboldt Parkway, will be started soon. Robert A. Greenfield, the Arch., representing the government, has announced that orders have been received from the Secretary of the Treasury to that effect. The site is 350 × 500 ft. The government has appropriated $125,000 for the work.

NEW YORK, N. Y.—Plans have been filed for the hippodrome that will be erected on the east side of Sixth Ave., between 43d and 44th Sts. The plans call for a 3-story brick structure, 400 × 239 ft. The New York Hippodrome Co., Fuller Building, is the owner. J. H. Morgan, Fuller Building, is the Arch. The estimated cost is $400,000.

NEW YORK, N. Y.—De Lemos & Cordes, 130 Fulton St., have plans ready for extensive improvements to the 6-story loft building, 202 and 204 Centre St., for John Daniels, of 32 Nassau St. The work to be done consists of adding two stories to the structure, which will make it eight stories in all. Estimated cost, $40,000. No contracts have been let for the work.

Herbert D. Hale, of Boston, is the architect chosen by the Conference Committee to make the plans for the United Engineering Building, that will be erected with a trust fund of $1,500,000 presented by Andrew Carnegie. Henry G. Morse, City, is selected as his associate. The successful competitors for the Engineers' Club are Whitfield & King, City. The successful competitors in the open class for four equal prizes of $400 each, in addition to Mr. Hale, are Trowbridge & Livingston, City; Frank C. Roberts & Co., with Edgar V. Seeler, associate, Philadelphia, and Allen & Collins, of Boston. The United Engineering Building will be 125 × 100 ft. on West 39th St. The club, with a frontage of 50 ft., and a depth of 100 ft., will face on Bryant Park and the new Public Library.

The Board of Education has awarded the following contracts for work in public schools: For erecting No. 40, in the Bronx, to Thomas Cockerill & Son, at $268,200. For erecting No. 82, Queens, Richard H. Carman, at $106,-364. For erecting 71, Queens, F. G. & G. T. Van Riper were the only bidders, at $159,846; it was rejected.

The First Church of Christ Scientist, 137-143 West 48th St., will be remodeled and equipped into a theater at a cost of $65,000. The 48th St. front of the building will be changed, and a fireproof proscenium wall, steel columns, brick piers, and a mezzanine floor will constitute the alterations. Geo. E. Harding, of 253 Broadway, has filed plans for the work, and is about ready for bids. No contracts have been issued.

BROOKLYN, N. Y.—Lord & Hewlett, 16 East 23d St., New York, have plans for a public library, to be erected cor. 51st St. and Fourth Ave., Brooklyn. Brick and stone, copper roof, fireproof construction, dumb-waiters, electric wiring, nickel-plated plumbing and steam heat. Cost, $75,000.

ROME, N. Y.—Bids are asked for construction of an addition to laundry at the Rome State Custodial Asylum, Rome, N. Y., until August 1. Hon. R. G. Briggs, Pres. of the Board of Managers. G. L. Heins, State Arch., Capitol Building, Albany, N. Y.

BINGHAMTON, N. Y.—Y. M. C. A. has raised $92,000 of the proposed $100,000 for a new building. Contract will be let when necessary sum is secured. William McLean is Chn. Com.

JERSEY CITY, N. J.—Wells Bros. & Co., General Contractors, have let plumbing contract to the Dwyer Plumbing & Heating Co., 40 Dearborn St., Chicago, for the warehouse that they are erecting here for Butler Bros. Brick and stone, eight stories, 200 × 400 ft. Jarvis Hunt, Monadnock Blk., Chicago, is Arch. Cost, $750,000.

EDGEWATER, N. J.—Bids are asked by E. M. Speer, Boro. Clk., until July 25 for new municipal building.

NEWARK, N. J.—Welch, Smith & Provot, 11 East 42d St., New York, have prepared plans that have been accepted and approved by the Building Committee of the Y. M. C. A. for a new building to be erected at Church and Ellsworth Sts. Cost, $60,000. Bids will be received by the architect. Edward Barbour, City, is Chn. Bldg. Com.

PITTSBURG, PA.—Rosenbaum & Co. will remodel the McClintock office building for department store purposes. Improvements will cost $60,000, and include new elevators, new plumbing and heating appliances, gas and electric light fixtures, store and office equipment, as well as automatic sprinkler system. Rutan & Russell, City, are Archs.

Golden & Crick have received the contract for the erection of an addition to the Mercy Hospital. Cost, $120,000.

The People's Sub-District School Board will erect new modern school building on Greenfield Ave. Cost, $75,000.

W. S. Haynes, care of Samuel W. Black & Co., is interested in company which will erect 100 brick dwelling houses of five rooms and bath, to cost $175,000, in Hazlewood district. Plans have already been drawn.

The National Fireproofing Co. has been awarded the contract for fireproofing in the new warehouses of the Pittsburg Terminal Warehouse Co., involving about 1,000,-000 sq. ft. Contract for vitrified brick (9,000,000) was awarded to the Vanport Brick Co., Vanport, Pa.

Miss Martha Elderkin has had plans prepared for a 6-story fireproof apartment hotel, 50 × 130 ft., on Murray Hill Ave., City. Cost, $75,000.

John Dimling, with others, is interested in project to build a 10-story fireproof hotel, 206 × 250 ft., at Forbes and Halket Sts., City. Cost, $500,000. Preliminary plans have been drawn for structure.

The Gerber Carriage Co. will erect a 6-story fireproof carriage repository at 115-123 Seventh St. Cost, $100,000. Rutan & Russell, City, are Archs.

The Atlas Land Co. will erect a 3-story brick and stone apartment house, with modern tiled bath-rooms, at Lexington Ave. and Meade St., East End. Cost, $60,000.

Patrick A. Manion, City, will erect a 6-story modern hotel at Third Ave. and Grant St. Cost, $75,000. R. Maurice Trimble, City, is Arch.

C. C. Hamilton, City, will erect an apartment house at Rebecca and Baum Sts. Cost, $70,000.

PITTSBURG, PA.—F. C. Sauer, 706 Penn Ave., will receive bids on the hotel for Chas. L. Walther. Six stories, brick and steel, fireproof, elevators, architectural iron-work, pipe covering, mantels and baths. Cost, $100,000.

R. Maurice Trimble, Ferguson Bldg., has plans for a hotel. Six stories, brick, fireproof, steam heat, gas and electric light, mantels, baths. Cost, $90,000.

MT. PLEASANT, PA.—Muller & East, 4 Eighth St., Pittsburg, are reported receiving bids for a bank and office building, to be erected jointly by the First National Bank and the Citizens' Savings & Trust Co., Mt. Pleasant. Three stories, slate roof, steam heat, gas and electric light, bank and office fixtures, architectural iron-work, vaults, lavatories and elevators. Cost, $65,000.

BALTIMORE, MD.—The Anheuser-Busch Brewing Association, St. Louis, Mo., will, it is reported, erect a $100,000 hotel, at 15 Hopkins Pl. G. L. Sapper, Mgr., Pratt and Penn Sts., may be addressed.

The Maryland Institute of Art and Design will erect an art and assembly building on the site of the former Institute building, Baltimore St. and Centre Market space, destroyed in the recent fire. Five stories, 75 × 175 ft., stone and brick and steel, steam heat, elevators, skylights, plate and stained glass, baths, electric and gas light, etc. Cost, $200,000. Address John N. Carter, Pres., 210 St. Paul St.

The George A. Fuller Co. has been awarded the contract, at about $488,000, for the construction of the American building at South and Baltimore Sts. Otto G. Simonson, Arch.

Contract probably will be awarded on July 25 for the office building for the Chamber of Commerce Building Co., 317 North Charles St., to be erected at Holliday and Water Sts. and Post-office Ave., after plans and specifications by Charles E. Cassell & Son, Archs., 411 North Charles St. Five stories high with basement, 86 × 186 ft.; brick with granite base and terra-cotta trimmings, concrete foundations, steel-frame construction, fireproof construction throughout, cement roofing, electric wiring and fixtures, sanitary plumbing, steam-heating system, power elevators.

The Safe Deposit & Trust Co., 13 South St., as trustee for the Bennett and McCulloh estates, has awarded contract to Cramp & Co., builders, 407 St. Paul St., for the construction of six warehouses to be located at 30, 32 and 34 South Charles St. and 41, 43 and 45 Hopkins Pl., after plans and specifications by Charles E. Cassell & Son, Archs. Buildings will be five stories high with basements, brick with ornamental terra-cotta trimmings, concrete foundations, steel beams, mill construction, metal frames and sashes in rear, wire-glass, galvanized iron skylights, electric wiring and fixtures, sanitary plumbing, steam-heating system, power elevators. Cost, over $150,000.

WASHINGTON, D. C.—District Commissioners are having plans prepared by Totten & Rogers, 808 17th St. N. W., for a $47,000 school building.

Elliott Woods, Supt. Capitol, writes us that Brennan Construction Co., District, was awarded contract for excavation work incident to construction of House of Representatives' office building, at $44,760. Estimated excavation, 93,500 cu. yds.

Bids were received on July 9 at Washington barracks for furnishing dark blue Indiana limestone for Army War College building, as advertised for in Engineering News. William Bradley & Son, New York, were lowest bidders, at $116,225. Four bids were received. Capt. J. S. Sewell, Engrs.

Bids are asked until August 3d for changes in hot-water heating main and other piping in trenches in sub-basement to accommodate the piping of new ventilating system, U. S. Treasury Building. James Knox Taylor, Supervising Arch., Treasury Dept.

WASHINGTON, D. C.—Bids are asked by James Knox Taylor, Supervis. Arch., Treas. Dept., until Aug. 3 for constructing new mechanical equipment and fixtures in, and remodeling the laboratory of the Supervising Architect in the U. S. Treasury Building. (Advertised, Engineering News.)

CHARLOTTESVILLE, VA.—Bids were received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (except heating apparatus) of the post-office and court-house here. John G. Unkefer & Co., Johnson City, Tenn., were lowest bidders, at $91,131. It is reported, however, that Miles & Bradt, of Atlanta, Ga., were awarded the contract, at $69,070.

RICHMOND, VA.—The Capitol Commission has awarded to W. A. Chesterman, City, the contract to renovate the Capitol, at $169,000. The appropriation made by the Legislature for the purpose was $200,000. Work will begin August 1, at which time 50 convicts will be put to work excavating. There were eight bidders.

NORFOLK, VA.—Bids will be asked, probably next month, by the Bureau of Yards and Docks and Navy Dept., Washington, D. C., for constructing a 2-story brick and steel building, about 50 × 150 ft., on the St. Helena property, at the Navy Yard. The heating, lighting, plumbing and elevator are not included. The foundations will be of piles and concrete; walls of dark red brick; trimmings of granite and terra-cotta; ground floor of concrete and cement; second floor and roof of steel and cinder; concrete system of fireproofing; roof-covering of tin. The appropriation available is $45,000. Nine months will be allowed for the completion of the building.

DURHAM, N. C.—The Durham Union Station Co. has been organized, with H. W. Miller as Pres. P. Frank Milburn, Columbia, S. C., is Arch. J. P. Pettyjohn & Co., of Lynchburg, Va., has the contract for the building.

FLORENCE, S. C.—Bids are asked by James Knox Taylor, Supervis. Arch., Treas. Dept., Washington, D. C., until Aug. 22 for constructing the U. S. Post-office and Court-house, except heating apparatus. (Advertised, Engineering News.)

ATLANTA, GA.—Milton Dargan, H. C. Stockdell, Clarence Angier, J. N. Goddard, Frank Holland and associates will erect $75,000 clubhouse, according to report.

Donaldson & Pearson, 33 Ivy St., City, reported last week to have been awarded contract for $90,000 church, wish to correspond with tile-roofing contractors.

WINONA, MISS.—Bids are asked by the Board of Supervisors, Montgomery County, care C. T. Witty, Chancery Clk., until Aug. 4, for the erection of a court-house. W. H. Tyler, Pres. Bruce Architectural Co., Birmingham, Ala., is Arch.

NEW ORLEANS, LA.—Bids were received by the McDonogh School Fund Commission and again rejected for the construction of McDonogh School No. 31. Frank J. Noulett was again the lowest bidder, at $41,747.

Favrot & Livaudais, 839 Gravier St., Archs., are preparing plans for the Touro Infirmary annex. Brick, stone, marble, concrete blocks and terra-cotta, iron, steel, brass, bronze and wire work, fireproofing, concrete flooring, composition roofing, metal partitions, cornices and skylights, gas and electric fixtures, steam heating and parquet flooring. Cost, $250,000.

JACKSON BARRACK, LA.—The contract for the construction of a barrack, lavatory, mess hall, N. C. O. quarters and guard house here has been awarded to Ferdinand Lange and Alfred E. Ringe, of 1514 St. Rock Ave., New Orleans, La., at $40,987.75.

CLEVELAND, O.—Thompson-Starrett Co., Railway Exchange Bldg., Chicago, have the general contract, exclusive of marble work, for an office building to be erected here for John Rockefeller. Sixteen stories, steel construction. Cost, $1,000,000. Knox & Elliott, City, are Archs.

CINCINNATI, O.—All bids received for the construction of the Carnegie library at Walnut Hill have been rejected, and new bids will be called for. James W McLaughlin, 409 Johnston Bldg., is Arch.

COLUMBUS, O.—Bids are asked by State Librarian until July 23 for constructing an addition to the state library building. Frank L. Packard, New Hayden Building, is Arch. J. F. McGrew, Pres. Bd. of Library Comrs.

Information concerning contracts to be let or supplies to be furnished, and corrections of errors and omissions in published items, are invited. Full details regarding the equipment, tools, etc., required for the proposed improvements are specially desired.

ELKHART, IND.—Bids were received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (including plumbing, heating apparatus, electric wiring and conduits) of the post-office here. W. J. McAlpine, Dixon, Ill., was lowest bidder, at $58,400.

INDIANAPOLIS, IND.—Bids are asked by the Board of Public Works, Room 5, Court House, until July 22, for making changes, alterations and additions to the present buildings of the Indianapolis City Hospital. R. P. Daggett & Co., Archs., Suite 28-32 Marion Block, City.

EAST ST. LOUIS, ILL.—A. B. Frankel, Arch., will receive bids until August 15 for a high school building for Union School Dist. No. 1. Brick and stone, fireproofing, structural iron and steel work, skylights, gas and electric light, hot blast heat, etc. Cost, $75,000.

PEORIA, ILL.—Bids are asked by Reeves & Baillie, Y. M. C. A. Bldg., until Aug. 10, for a 4-story home for old and young people, 160 × 160 ft., for J. C. Proctor. Brick, stone, marble and terra-cotta, iron, steel and wire work, concrete fireproofing and floors. Cost, $200,000.

CHICAGO, ILL.—Frank J. E. Brabant, 1528 Unity Building, Arch., is receiving bids for a building to contain stores and wholesale salesrooms, to be built at East Madison St. and the river, for William F. Grover, Unity Building. Ten stories, 110 × 99 ft., of fireproof construction. Cost, about $250,000. Excavation is in progress.

The lowest bid for the field house to be built in park No. 3 for the South Park Board was submitted by B. F. Zadick, 135 Adams St., at $77,850.

R. & S. Sollitt Co., 140 Dearborn St., have the contract for the masonry and foundations on a warehouse, to be built at Polk St. and the river, for Marshall Field & Co. It will be of fireproof construction, 12 stories, 150 × 392 ft. Cost, $1,000,000. D. H. Burnham & Co., Ry. Exchange Bldg., are Archs. Previously reported.

CHICAGO, ILL.—Bids are asked until July 28 by the Board of Commissioners of Cook County to install the Van Auken system of vacuum heating and other improvements and changes in heating systems as outlined on plans and described in specifications prepared by the Consolidated Engineering Co., for the following buildings and groups of buildings: Cook County court house; Cook County criminal court and jail building; the group of buildings comprising the Cook County Hospital; the group of buildings comprising the poor house section of the Cook County institutions at Dunning, Ill.; the group of buildings comprising the insane asylum portion of the Cook County institutions ot Dunning, Ill. Henry G. Foreman, Pres.; William McLaren, Supt.

PEORIA, ILL.—Plans have been prepared by Reeves & Baillie, City, for a $200,000 4-story building, 160 × 160 ft., with electric lighting, steam heat, tile roof, etc., to be built by John C. Proctor and used as a Home for Young and Old People. Bids close August 10, it is reported.

CHICAGO, ILL.—Plans by James G. Rogers, Ashland block, have been approved by city building department for alterations in Olympic theater, at 53 Clark St., for the Alexander estate. Kohl & Castle are the lessees. The main auditorium is to be lowered to the level of the street, and there are to be two galleries, balcony, fire proof stage and an entrance through the Ashland block to Randolph St. Estimated cost, $90,000.

RACINE, WIS.—The Chippewa Falls Construction Co., of Chippewa Falls, Wis., has been awarded the contract for the new county insane asylum at $81,842. The bid of the Mueller Co., of Milwaukee, for the heating, at $14,516 was accepted, as was the bid for the electrical works by J. Andrae Co. of Milwaukee, at $1,800. The plumbing contract was awarded O. C. Davis, of Racine, at $5,707.

MANITOWOC, WIS.—Wm. J. Raeuber, Arch., has prepared plans for a 2-story combination church and school building, 72 × 119 ft., for the Sacred Heart congregation. Bids are asked by Rev. T. J. O'Leary, pastor, until July 22. Brick and stone, concrete blocks, iron and steel work, steam heat, boiler, valves and pipe and boiler covering.

CLINTON, IA.—P. J. Weber, 700 Fisher Bldg., Chicago, is receiving bids for a hotel building, to be erected for the Cromwell Hotel Co., C. C. Coan, Pres. Five stories, 130 × 142 ft., steel, brick and stone, composition roof, steam heating, modern plumbing. Cost, $125,000.

LITTLE ROCK, ARK.—Geo. R. Mann, Arch., has completed plans for a modern hotel to be erected at Markham and Louisiana Sts., and will advertise for bids shortly. Herman Kahn and others are interested in the hotel, which will cost about $250,000. Six stories, fireproof construction, 120 × 140 ft., electric elevators.

EVANSTON, WYO.—Bids were received by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (except heating apparatus) of the post-office and court-house here. E. Miller, Minneapolis, Minn., was lowest bidder at $149,300, but enclosed no check. John C. Robinson, Chicago, Ill., $178,495, was lowest regular bidder.

OKLAHOMA CITY, OKLA.—Gross Construction Co., of Sioux City, Ia., has been awarded contract, at $99,999, for the construction of court-house.

ASTORIA, ORE.—The contract for the new brick, stone and terra-cotta Clatsop County Court-house was awarded to Hastie & Dugan, of Spokane, at $97,351. Langford & Walker, of Portland, submitted the lowest bid, but it was for a stone building, for which contract could not be awarded without re-advertising for bids.

MOBERLY, MO.—Bids are asked by Treasury Dept., Washington, D. C., until August 29 for the construction (including plumbing, heating apparatus, electric wiring and conduits), of the post-office here. James Knox Taylor, Supervising Arch.

LOS ANGELES, CAL.—The Los Angeles Railway Co. proposes to build a passenger and freight station at Buena Vista St. and Bellevue Ave., at cost of $100,000. A new station also will be erected at Redondo, Cal.

A steel frame building, with concrete and tile floors, to cost $800,000, will be erected by the Bilicke-Rowan Fireproof Building Co. Incorporated by A. C. Bilicke, Robert A. Rowan and John S. Mitchell. John Parkinson, Arch., 702 Laughlin Building.

A. L. Haley, Arch., has prepared plans for the new clubhouse of the Los Angeles Athletic Club, which it is proposed to erect and have ready for occupancy by January 1. W. J. Wilson is Pres. of the Club. Capital stock, $100,000. Previously reported.

Rev. Robt. J. Burdette expects that within two months affairs will be definitely shaped for erection of proposed $1,000,000 Baptist church. Previously reported.

PASO ROBLES, CAL.—W. A. Junker writes that work probably will be started upon $100,000 bath house (reported on June 23) within 30 days. Mr. Junker is Mgr. of the Paso Robles Springs Hotel Co.

SAN FRANCISCO, CAL.—The Seal Rock Co. has been incorporated by Geo. Mitchell, Harry Cohn, J. Kennedy and others, with a capital of $100,000. Object, to take

over the Seal Rock House, and to establish amusement places, hotels, salt water baths, etc., and to run pipe lines to convey water from the Pacific Ocean to this city.

The First Church of Christ, Scientist, will build a new church at Sacramento and Scott Sts., to cost $193,000. John Galen Howard is the Arch.

7-story and basement brick restaurant and baths will be erected by Wm. Tracy, 114 Montgomery St., at Post St. and Agate Alley. Cost, $100,000.

SAN FRANCISCO, CAL.—The 5-story brick warehouse to be erected on Howard and Spear Sts. for the Golden Gate Construction Co., 110 California St., will cost $190,000. H. A. Schulz is Arch.

WATER SUPPLY AND IRRIGATION.

WATERVILLE, ME.—Bids for constructing the China Lake pipe line and appurtenances for the Kennebec Water District were received July 12 as follows: T. E. Ruggles, Chelsea, Mass., $103,290; L. M. Farnum, Boston, Mass., $76,504; Jones & Meehan, Boston, $75,424; D. J. Sheehan, Lynn, Mass., $65,691; C. N. Taylor, Wellsley, Mass., $93,120; E. M. Stacey, City, $105,473. Leonard Metcalf, Engr., 14 Beacon St., Boston.

WEST SPRINGFIELD, MASS.—Town voted July 19 on authorizing sale of $25,000 of water department bonds.

ATTLEBORO, MASS.—Bids are asked by the Water Commissioners until August 10 for the construction of a concrete steel stand-pipe. George H. Snell, Supt.; Snow & Barbour, Engrs., Boston. (Advertised, Engineering News.)

WHITMAN, MASS.—New England Pipe & Cement Co., Boston, Mass., has been awarded contract for cast-iron pipe at this place.

FLUSHING (L. I.), N. Y.—Plans have been prepared for a new 20-in. main to connect the Flushing pumping station at Kissena Lake with the large Flushing standpipe reservoir.

SILVER SPRINGS, N. Y.—Bids are asked by the Board of Trustees until July 28 for furnishing about 22,524 ft. of 4-10-in. cast-iron pipe, 5 tons special castings, 35 double fire hydrants, 33 4-8-in. gate valves, 33 valve boxes, and constructing a covered reservoir of 350,000 gals. capacity, receiving chamber, 4 manholes, and furnishing and laying about 2,500 ft. of terra-cotta pipe. Specifications may be seen at the office of Engineering News, 220 Broadway, New York. Michael Whelan, Pres. E. B. Kay, Engr. (Advertised, Engineering News.)

ERIE, PA.—The Board Water Commissioners has awarded the contract for the extension of the big intake pipe to the T. A. Gillespie Co., of Pittsburg, for $195,968. Work will be commenced at once. The extension will be 9,994 ft. in length, across Erie Harbor, through Presque Isle peninsula and out into Lake Erie. Settling basins will be constructed on the peninsula.

SCOTTDALE, PA.—Dam of Citizens' Water Co. is reported to have burst July 16, causing loss of $50,000 to machinery and the reservoir.

BOYERTOWN, PA.—Bids are asked by Town Council until July 23 for construction of circular concrete reservoir; est. cost is about $3,500. Wm. H. Fox, Boro. Clk.

SOUTH FORK, PA.—The South Fork Water Co. has increased its capital stock from $60,000 to $150,000 to construct the proposed impounding reservoir on Sandy Run.

PHILADELPHIA, PA.—Bids are asked by the Board of Public Works until Aug. 2 for the improvement, extension and filtration of the water supply. Peter E. Costello, Dir. (Advertised, Engineering News.)

PORT DEPOSIT, MD.—Wm. McClenahan, Pres. Com., writes us that proposed water-works improvements are to consist of larger reservoir, artesian well and pump. W. B. Meetch is Cy. Engr.

LEESBURG, VA.—Town votes to issue $30,000 of bonds for gravity water system.

WARRENVILLE, S. C.—Bids are asked by the Warren Mfg. Co., E. F. Verdery, Pres., until Aug. 3 for furnishing all material and labor and constructing a water-works plant, consisting of about 20,190 ft. of 2-8-in. pipe, 13 hydrants, 16 valves, reservoirs, etc. Plans and specifications may be seen at the office of Engineering News, 220 Broadway, New York, or at the office of Nisbet Wingfield, C. E., Augusta, Ga. (Advertised, Engineering News.)

ATLANTA, GA.—$6,000 will be appropriated to the Soldiers' Home, to be used in building a water-works system for the home.

JACKSON, MISS.—City votes to issue $250,000 of water-works bonds.

NATCHEZ, MISS.—Contract for 6-in. and 4-in water-main extension has been let to P. W. Mulvihill for $2,323.

KNOXVILLE, TENN.—City votes to issue $750,000 of bonds for erecting municipal water works.

DANVILLE, KY.—Specifications for construction of a filtration plant in connection with the local water-works system are on file at office of Engineering News, 220 Broadway, New York. Bids are asked until July 28, as advertised in Engineering News, July 14.

NEW CUMBERLAND, O.—Local company is stated to have made proposition to town council for installing new water-works and electric light plant. W. J. Miller, Elm Grove, W. Va., is Engr.

ROCKPORT, O.—Bids are asked by W. L. Nichols, Village Clk., of Rockport, at his office, West Park, O., until Aug. 8 for furnishing water pipe, special castings, and miscellaneous castings, and hydrants and water cranes, also for labor and materials necessary for laying the above and for furnishing valves. Walter P. Rice Engineering Co., Society for Savings Bldg., Cleveland, O., Engrs. The above item appeared in our July 14 issue, with date for closing of bids given as Aug. 3.

COLUMBUS, O.—Bids are asked by the Board of Public Service until Aug. 10 for furnishing and laying cast-iron pipes across and adjacent to the Scioto River. The principal qualities are 24,500 cu. yds. excavation, 2,550 tons of cast-iron pipe, and 7,000 lbs. of miscellaneous iron. Chas. H. Frank, Secy. (Advertised, Engineering News.)

MARIETTA, O.—Contract for material and labor for water-works extension has been let to Philip Sheets, Newcomerstown, O., for about $21,000.

NEWARK, O.—The State Board of Health has approved plans for the new water works.

FORT WAYNE, IND.—Plans and specifications for new stand-pipe are stated to have been under consideration by the Council. It is to have capacity of 1,500,000 gallons, and with distributing pipes will cost about $90,000. Edward White is Pres. W.-W. Trustees.

TRAVERSE, MICH.—The taxpayers have voted to bond the city for $20,000 for water mains and placing of additional hydrants.

ELGIN, ILL.—The following bids were opened July 5 by the Board Water Commissioners, for constructing two water-works reservoirs, capacity 1,000,000 gals. each; each reservoir circular, 90 ft. diameter, 21½ ft. deep; vertical side walls, concrete bottoms, pipe connections not included: William Johnson & Son, $12,470; A. E. Rutledge, $13,150; Chicago Engr. & Const. Co., $14,787; J. A. Heineman, $14,856; Rudolph Bloom & Co., $15,670; Simpson Const. Co., $16,500; Henry Dakin, $16,840; Bracey-Howard Co., $17,867; Wm. Crilly, $21,451. John W. Alvord and Chas. B. Burdick, 1207 Hartford Bldg., Chicago, Engrs.

PEORIA HEIGHTS, ILL.—Village Board has let contract to Cook Mfg. Co. for new pumping station, and a new gasoline engine and pump.

ALBIA, IA.—City has voted on granting franchise for water-works.

BELLE PLAINE, IA.—Bids are asked by this city until July 25 for furnishing all material and drilling artesian well. Iowa Engineering Co., Clinton, Ia., are Consult. Engrs.

BETTENDORF, IA.—Town may vote on bond issue to install pipe system. Post-office, Davenport

CLARION, IA.—Town will probably bond for construction of water-works and sewerage.

CRESTON, IA.—Plans are stated to have been prepared for eight settling basins, 50 × 60 ft., to cost $10,000.

KINGMAN, KAN.—Burns & McDonnell, Civ., Hydraulic and Sanitary Engrs., of Kansas City, Mo., have been engaged to prepare plans and specifications for a water-works system for Kingman, for which $25,000 bonds have been voted.

FORT MEADE, S. DAK.—Bids are asked until Aug. 18 for constructing a 500,000 gal. reinforced concrete reservoir, putting in new water distributing system, consisting of about 18,510 ft. of 6-8-in. pipes, and 41 fire hydrants. Geo. L. Byram, C. Q. M. (Advertised, Engineering News.)

HELENA, MONT.—Local reports quote G. J. Hammond, Minneapolis, Minn., Pres. of the Coe Commission Co., as stating that his company expects to spend about $100,000 in digging an irrigation ditch to be used in the placer work.

GREAT FALLS, MONT.—The plans for the new standpipe of the water-works, to be built in Boston Heights, have been completed by City Engineer Ellis, and forwarded to J. T. Fanning, the consulting engineer at Minneapolis, for approval. When approved the city will advertise for bids.

WACO, TEX.—City Council has authorized the sale of $340,000 water-works bonds.

EL PASO, TEX.—Franchise has been granted to Wilhelm Griesser for privileges of county roads for operation of a suburban water, gas and electric system in East El Paso. The company will begin at once on the plant.

Highlands Realty Co., J. H. Nations, Pres., has petitioned for franchise for construction of water-works in Highland Park Addition. The above corporation has formed the Highland Water Co., capitalized at $25,000, to operate the works.

KNICKERBOCKER, TEX.—Tankersly Ditch & Irrigating Co. has been formed to establish a system of irrigation near here. B. W. Rhines is one of the incorporators.

ROSWELL, N. MEX.—The Rio Hondo Reservoir Water Users' Association has been incorporated with $24,000 capital for providing an adequate supply of water for irrigation of lands of the shareholders. W. M. Atkinson, John W. Poe, and E. A. Cahoon are interested.

PORT TOWNSEND, WASH.—City Engineer Weile, according to reports, has completed plans and specifications for proposed new city water-works.

SPOKANE, WASH.—City Council has adopted a resolution instructing the Board Public Works to prepare plans and specifications for a reservoir of 1,000,000 gals. capacity to supply the Lingerwood district.

City Council has passed ordinances providing for the construction of water mains on Sunnyside, Corliss and 21st Aves.

SEATTLE, WASH.—Contract for constructing water-main in 25th Ave. S. and Norman St. has been let to P. E. McHugh for $5,922.

WENATCHEE, WASH.—R. F. Holm, Cy. Clk., is calling for bids until Aug. 9 for purchase of $16,000 of water-works extension bonds.

SAN FRANCISCO, CAL.—The Board of Works has submitted a list of mains required for better fire protection in various districts to the Board of Supervisors. It is intended to make a demand upon the Spring Valley Water Co. to lay the mains.

PLACERVILLE, CAL.—The Placerville Water-Works Co. announced that it is the intention of the company to put in a new water system in the city. Bids for piping and other material are being received. Geo. Hofmeister is Supt.

SAN FRANCISCO, CAL.—Board Public Works directed the engineering department to prepare plans and specifications for the proposed auxiliary fire protection water system, for which $150,000 has been provided.

PRESCOTT, ARIZ.—Bids are asked until Aug. 20 for the construction of water distributing system and reservoir. Capt. Chas. C. Walcutt, Jr., Q.-M. (Advertised, Engineering News.)

YERINGTON, NEV.—It is stated that the government will put in a $40,000 electric pumping plant at the dam site on the Carson River as an auxiliary to its big irrigation scheme.

SUMMERSIDE, P. E. I.—Citizens voted recently on matter of water-works and sewerage.

CREEMORE, ONT.—The ratepayers have voted $17,000 for a water-works system. A. H. Watson is Town Clk.

SEWERAGE.

SPRINGFIELD, MASS.—Bids are asked until July 25 for building Mill River Valley intercepting sewer, 4,509 ft. of elliptical brick sewer, 2 ft. 2 ins. × 3 ft. 3 ins. Chas. M. Slocum, City Engr. Arthur A. Adams, Supt. Sewers.

QUINCY, MASS.—City council has passed an order providing $20,000 for sever extensions.

HADLEY FALLS, MASS.—Bids are asked until July 23 for laying about one mile of vitrified pipe sewerage.

NEW HAVEN, CONN.—The contract for a sewer in Dixwell Ave. was awarded to T. F. Maher.

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ONEIDA, N. Y.—At a recent meeting of the Board of Public Works, the contract for constructing sewer in Willow and Stone Sts. and Washington Ave. was awarded to A. W. Fitch at $4,697.

COLD SPRING, N. Y.—Bids are asked by the Board of Trustees until July 27 for building a sewer system, consisting of about 30,178 ft. of 8 and 24-in. pipe, [illegible] 1,400 cu. yds. rock excavation, 123 manholes, etc. [illegible] Y. Wheatbery, Ch. Engr.; Henry Metcalfe, Pres. (Advertised, Engineering News.)

CORNING, N. Y.—Bids are asked by the Board of Sewer Commissioners until Aug. 1 for sewers in the First and Second Wards. R. H. Canfield, Cy. Engr.; [illegible] R. Cary, Consult. Engr., 508 Cannon Place, Troy; [illegible] D. Kingsbury, Pres. (Advertised, Engineering News.)

LONG ISLAND CITY (L. I.), N. Y.—Contracts were awarded for sewerage as follows: For sewer on Bri[illegible] St., 875 ft. of 12-in. pipe, G. Hill, $1,486; Pomeroy St., [illegible] ft. 12-in. pipe, John Horle, $2,712; Fourth Ave., G. Hill, $1,462. For 29 catch basins to connect with Jamaica Ave. sewer, between Boulevard and Steinway Ave., James Asheld, $5,011.

NEW YORK, N. Y.—Bids are asked until July 27 for building various sewers in Borough of Brooklyn. Martin W. Littleton, Borough Pres.

SOUTH SHARON, PA.—Bids are asked until July 28 for the construction of a 4 and 5-ft. circular brick sewer on Spearman Ave. L. B. Burger, Boro. Clk. (Advertised, Engineering News.)

LEWISTON, PA.—Council has adopted plans for sewers prepared by J. Murray Africa, C. E. Bids probably will be asked soon.

NEW CASTLE, PA.—Bids are asked until July 25 for construction of Jones Ave. sewer. Chas. C. Duff, Cy. Clk

HOLLIDAYSBURG, PA.—At a special election recently held the borough council was authorized to spend $40,000 for a municipal hall, street improvements and a municipal sewer system.

NORRISTOWN, PA.—S. Cameron Corson, Boro. Engr., writes us that bids are asked until August 1 for building two sanitary sewers, 8-in. pipe, with laterals to curb line, manholes, flush tanks, etc. Estimated length, 1,490 ft.; laterals, 560.

SCRANTON, PA.—Bids are asked until July 22 for constructing a sewer in North Blakely St.; about 1,200 ft. of 10-12-in. pipe.

LANCASTER, PA., July 9.—The city to-day signed a contract with George Stone & Co., Philadelphia contractors, for a new sewer system for the northern section of Lancaster, to cost $185,000.

WASHINGTON, D. C.—D. E. McComb, Supt. Sewers, informs us that bids were received on July 9 for constructing portions of low area trunk sewer. Bids were advertised in Engineering News to be received until June 18 for this work. E. G. Gummel, District, was lowest bidder at: Sewer "A," $10,848; "B," $8,466; "C," $1,424; "D," $1,671; "E," $8,554.

NEW ORLEANS, LA.—Bids for extensive sewer work were received on July 7 by the Sewerage & Water Board. Contract Z, for lined drainage canal on Hagan Ave. and three flushing valves at the new basin navigation canal, was awarded to the lowest bidder, Dowdle & Windett, 316 Hennen Bldg., at $92,370. Contract 27, for Broad St., wood lined canals from the old basin navigation canal to St. Bernard Ave., was awarded to Thomas Egan, 757 Magnolia St., City, at $30,335. Bids for contract Y were considered excessive and rejected. This work will be re-advertised. Lowest bid was Irwin Bros., at $252,880. Contract U was awarded to Dowdle & Windett, at $92,650. Work is for lined drainage canals on Orleans and Clairborne Sts. Complete itemized bids may be found under Contract Prices in the issue of July 28.

GREENWOOD, MISS.—Bids are asked until August 2 for $153,000 of 5% sewer, water and electric light bonds. Robert Wilson is Cy. Clk.

MONTICELLO, IND.—Bids are asked by the Board of Trustees until August 2 for the construction of sewer known as No. 16. W. J. Gridley, Clk.

WABASH, IND.—Bids are asked until July 25 for completion of the work for construction of local sewers, Freemont McClees, Cy. Clk.

AKRON, O.—Bids will be received at the office of the Board of Public Service until July 27 for the construction of sewers.

COLUMBUS, O.—Bids are asked by the Board of Public Service until Aug. 10 for furnishing and erecting complete the pumping plant for the main sewage pumping station, consisting of three 11,000,000 gal. and two 4,000,000 centrifugal pumps, each connected to a vertical compound condensing engine, two 10-KW. direct current generator connected to simple engine, one switch board, one hand 6-ton traveling crane, three horizontal 150-HP. water tube boilers, two surface condensers, two air pumps, two boiler and feed pumps, etc. Chas. H. Frank, Secy. (Advertised, Engineering News.)

HAMILTON, O.—Bids are asked until August 2 for building several sewers. John B. Connaughton, Clk.

FREMONT, MICH.—Geo. S. Pierson, C. E., Kalamazoo, writes us that contract for sewers was awarded to Irving R. Pearl, Benton Harbor, Mich., at $5,835. Complete itemized bids for this work will be found under Contract Prices in this issue.

ADRIAN, MICH.—H. E. Riggs, care Riggs & Sherman, Toledo, O., is making plans for a $150,000 sewer system.

BAY CITY, MICH.—Bids are asked until July 25 for constructing sewers. M. J. O'Malley, Chn. Bd. Pub. Wks.

OWOSSO, MICH.—Bids are asked until July 28, for constructing 1,288 ft. of 10-in. vitrified pipe sewer.

EAST ST. LOUIS, ILL.—Bids are asked by the President Board of Local Improvements until about Aug. 13 for the construction of the outlet sewer and pumping works. The latter will consist of horizontal Corliss engines, direct connected to vertical shaft submerged centrifugal pumps, with a total capacity of 750 cu. ft. per second, and a water tube boiler capacity of 20% in excess of that actually required to operate the entire plant. Also to include all necessary foundations, buildings, piping, valves, back water gates, stack, etc.

CENTRALIA, ILL.—Iowa Engineering Co. is preparing plans for sewerage here. Bids for the work will be called for soon. It includes 7,000 ft. of 20-in. outlet, sewer, with average cut of 7 ft. Also a sewerage disposal plant. Estimated cost, $10,000.

AURORA, ILL.—H. D. Hallett, City, has been awarded the contract for sewers in District No. 6, at $12,880.

JANESVILLE, WIS.—Bids are asked until Aug. 5 for building various sewers, in Sewerage Districts 5, 6, 11 and 12.

BELLE PLAINE, IA.—H. R. Mosnat, City, writes us that $30,000 bonds for water-works and sewers in this city have been sold. Bids will be asked at once.

DYERSVILLE, IA.—J. H. Denkhoff, Clk., informs us that a sewerage system will be established at once. Contracts will be let in about two weeks. Engineers are asked to bid for contract for plans and specifications for this work at once.

EUREKA, KAN.—Burns & McDonnell, Civil, Hydraulic and Sanitary Engrs., of Kansas City, Mo., have been employed to prepare plans and specifications for a sewerage system here.

OMAHA, NEB.—Bids are asked until July 22 for building sewers. Andrew Rosewater, Chn. Bd. Pub. Wks.

P. M. Connolly was awarded the contract for the construction of the Saddle Creek sewage disposal works, at $6,821.

BISMARCK, N. D.—The city council has taken the first steps toward the construction of a sewer system, and a resolution declaring sewer improvements necessary will be voted. Cost, $40,000.

ST. PAUL, MINN.—Bids are asked until July 25 for constructing several sewers. John S. Grode, Pres. Bd. Pub. Wks. R. L. Gorman, Clk.

ST. PAUL, MINN.—The Board of Public Works has awarded the contract for sewers on Duluth Ave. on Minnehaha St., and on Beech St. to Christ Johnson, at $3,229.

BOZEMAN, MONT.—T. M. Pierce, Cy. Clk., writes us that about 2,500 ft. of 6-in. sewers will be built. Cost, $2,500. C. M. Thorpe is Cy. Engr.

ROSEDALE, MO.—Bids will be asked for constructing a 36-in. sewer to Shawnee St., a 54-in. brick sewer in Wyandotte St., and other streets.

ANADARKO, OKLA.—Bids are asked by council until Aug. 6 for making a survey, plans and specifications for a sewer system. B. E. Beebe, Cy. Clk.

AMARILLO, TEX.—A sewer system will be established here. John B. Hawley, Cy. Engr., of Fort Worth, is making the preliminary surveys.

SEATTLE, WASH.—Bids for sewer work in the Rainer Valley District, Seattle, will soon be called for, involving an expenditure of about $100,000 for about 12 miles of sewer.

PENDLETON, ORE.—Action will be taken immediately by the City Council to force 600 sewer delinquents to make connections with city system.

LOS ANGELES, CAL.—S. J. Edwards, of Pasadena, was awarded the contract for constructing the outfall sewer, at $565,000. In competitive bids received by the Council, Mr. Edwards' figures on the sewer were $24,000 lower than the next lowest bid.

TRUCKEE, CAL.—A $3,000 sewer system will be installed.

BLACKDIAMOND, CAL.—Engineer Shelley has made a report to Trustees, stating that an approximate estimate of the cost of the system will be from $10,000 to $12,000, figuring on outlets to the river from Black Diamond and Los Medanos Sts.

EUREKA, CAL.—An ordinance has been passed and approved to issue $35,000 bonds for the purpose of completing the city sewer system. J. P. Wunderlich, Cy. Clk.

OAKLAND, CAL.—Council has received bids for laying proposed sewers in Broadway from 12th to First St. Oakland Paving Co., at $38,549, was low bidder. As the engineer's estimate for this work was less than $18,000, the committee referred the bids submitted to that official with a recommendation that they be rejected as too high, and new proposals called for.

VENTURA, CAL.—Bids are asked by the Board of Trustees until August 1 for constructing additions to and extensions of public sewer system from the junction with the present sewer on Hemlock St. Edwin Isensee, Town Clk.

GARBAGE DISPOSAL—STREET CLEANING

NEW BEDFORD, MASS.—Board of Health, Wm. G. Kirschbaum, Chn., has voted to receive bids until July 28 for collection and destruction of garbage and dead animals for a term of ten years.

NEWPORT, R. I.—Newport Sanitary Protective Association, James J. Van Alen, Pres., has been discussing question of more modern methods of disposing of city's garbage.

NEW YORK, N. Y.—Board of Estimate has allowed J. McG. Woodbury, Comr. Street Cleaning, 13 Park Row, an appropriation of $183,400 for increasing the Manhattan plant and one of $50,000 for the Brooklyn plant.

CLEVELAND, O.—An ordinance is to be introduced soon in the Council for appropriation for constructing reduction plant for night soil and sewage.

DAYTON, O.—M. and L. Webber, 1701 W. Third St., were low bidders at $2,152 for furnishing Board Public Service with eight garbage wagons.

SACRAMENTO, CAL.—Board City Trustees contemplate erection of a garbage disposal plant of not less than 40 tons daily capacity, and is asking bids, plans and estimates for collection and disposal of garbage. Bids will be received until July 25.

LONDON, ONT.—Board of Health, Dr. W. M. English, Chn., is stated to have recommended installation of garbage system for the city.

STREETS AND ROADS.

LISBON, CONN.—Bids are asked by Board of Selectmen until July 23 for construction of a gravel road, 5,950 ft. in length. Plans and specifications may be seen at office of State Highway Commissioners, Hartford.

NEW YORK, N. Y.—Bids are asked by the Park Board, Fifth Ave. and 64th St., until July 28, for widening Shore road in Borough of Brooklyn.

Bids are also asked for setting new curbstones and paving with asphalt on West 72d St. John J. Pallas, Pres.

LONG ISLAND CITY (L. I.), N. Y.—The following contracts were awarded by Jos. Cassidy, Pres. Boro. of Queens: Grading, curbing and laying crosswalks and sidewalks on Ninth Ave., 640 lin. ft., Barber Asphalt Co., $21,813; same work on Academy St., 1,000 lin. ft., T. H. Burden, $4,818; same work on 15th Ave., 969 lin. ft., T. H. Barben, $6,319; same work on Nott Ave., 1,400 lin. ft., Barber Asphalt Company, $21,812; repaving, with asphalt block, Woolsey St., 1,250 lin. ft., Hastings Asphalt Co., $13,781.

JOHNSTOWN, N. Y.—Bids are asked until Aug. 1 for construction of 7,500 sq. yds. macadam pavement. Frank Bogaskie, Cy. Clk.

PATERSON, N. J.—Bids are asked by Board of Chosen Freeholders until Aug. 2 for grading and macadamizing various roads. E. N. Kevitt, Dir. (Advertised, Engineering News.)

NEWARK, N. J.—The contract for paving Seymour Ave. with brick was awarded by the Board Public Works to the Newark Paving Co. The bid amounted to $12,550. The contract for paving Bigelow St. with granite blocks was awarded to J. Roosevelt Shanley at $4,688.

McKEES ROCKS, PA.—Bids are asked by Borough Clerk, 815 Chartiers Ave., City, until Aug. 1 for grading, paving and curbing a number of streets.

HARRISBURG, PA.—Bids are asked by State Highway Department until Aug. 8 for constructing 2,083 ft. of road. Plans and specifications on file in office of State Highway Department.

MIDDLETOWN, DEL.—Bids are asked until Aug. 2 by the State Highway Comr. at Wilmington, for building a macadam road, 16 ft. wide, known as the Middletown and Odessa Road, in all about 2 miles. C. J. Horrigan, Chn. Comn.

CUMBERLAND, MD.—City Council awarded Thomas S. Kean the contract to pave Washington, Polk and Rebecca Sts., for $14,781.

SAVANNAH, GA.—A resolution by the Committee on Streets and Lanes, providing for the immediate laying of artificial stone sidewalks on Whitaker St., was passed by Council.

SALISBURY, N. C.—C. M. Miller, Cy. Engr., writes us that bids will soon be wanted for brick paving.

SCOTTSBORO, ALA.—Sharp & Webb were awarded the contract by County Commissioners for building three miles of road at $1,000 a mile.

LOUISVILLE, KY.—Bids are asked by Board Public Works until July 22 for asphalting Lee St.

TOLEDO, O.—Bodette & Sheehan were given the contract by Board Public Service for repaving Lagrange St. with unglazed Hocking Valley block, with Berea curb, at $63,811.

AKRON, O.—Bids are asked by Board Public Service until July 27 for the improvement of Locust St., by grading, curbing with stone, guttering and paving with brick, in accordance with plans, profile and specifications on file in office of Board. Chas. H. Watters, Secy.

MEDINA, O.—Bids are asked until Aug. 9 by Village Council for paving with brick blocks, constructing storm water sewers and curbing on West Liberty St. O. O. Van Deusen, Clk.

BLUFFTON, O.—Bids are asked by Council until Aug. 8 for the improvement of Cherry St., by grading, draining, curbing and paving with vitrified brick; approximate quantities are 5,000 sq. yds. brick pavement, 2,600 lin. ft. stone curbing, in accordance with plans and specifications, on file at Clerk's office.

SPRINGFIELD, O.—Bids are asked by Board Public Service until Aug. 1 for grading, draining and paving Rose St. with macadam according to plans and specifications on file in office of Chas. C. Bauer, Clk.

TIFFIN, O.—Bids are asked by Board Public Service until August 5 for the improvement of Greenfield St. by grading, draining, curbing, macadamizing and paving, in accordance with specifications on file in office of Board. John E. Diemer, Cy. Clk.

TOLEDO, O.—The Board Public Service let the contract for repaving Dorr St. to C. H. Burchinal. Asphalt blocks will be used on the present foundation. The price is $66,000.

ANDERSON, O.—Bids are asked by Frank A. Sharp, Cy Clk., until Aug. 1 for construction of cement sidewalks on Walnut Ave. Plans and specifications on file in office of City Engineer.

MINERVA, O.—It is reported that bids are asked until Aug. 1° for about 6,000 sq. yds. brick paving. The sale of bonds for this work will take place Aug. 16.

LAWRENCEBURG, IND.—Bids are asked until Aug. 2 by the County Commissioners for constructing a macadamized road in Clay Township. Chas. M. Bemkamp, Audr.

INDIANAPOLIS, IND.—The Board Public Works is preparing to receive bids for the improvement of Brookside Ave. by grading and graveling roadway; Pennsylvania and Prospect Sts., by paving sidewalks with cement; Merrill and 25th Sts., with asphalt paving.

CRAWFORDSVILLE, IND.—Bids are asked by H. B. Hullett, Cy. Clk., until July 25 for improving Pike and Market Sts.

PAOLI, IND.—It is stated that bids will be received until Aug. 5 by the County Commissioners for improving about 10 miles of country roads. Geo. W. Tegarden, County Audr.

SALEM, IND.—Bids are asked by County Commissioners until Aug. 1 for constructing the Salem and Livonia macadam road in Vermont Township. Length, 11,137 ft. Frank E. Morris, County Audr.

BRAZIL, IND.—Bids are asked by Clay County Commissioners until Aug. 2 for constructing several gravel roads. Plans and specifications on file in office of J. Frank Smith, County Audr.

OWOSSO, MICH.—Bids are asked by Board Public Works until July 27, for paving North Washington and West Main Sts. with brick, asphalt or macadam. Fred. Edwards, Cy. Clk. (Advertised, Engineering News.)

BELLEVILLE, ILL.—Bids are asked by Board Local Improvements until July 27 for sewering, grading, curbing and paving three streets, with brick, consisting of about 5,490 ft. of 12 to 21-in. pipe, 43,930 sq. yds. of pavement and 24,361 ft. of curb. Fred. J. Kern, Pres. (Advertised, Engineering News.)

CHAMPAIGN, ILL.—Bids are asked by Board Local Improvements until July 28, for grading, draining, paving and curbing Randolph St., consisting of about 22,220 sq. yds. brick pavement, 11,000 cu. yds. excavation, 16,980 ft. of curbing, etc. Edwin S. Swigart, Mayor; O. L. Gearhart, Cy. Engr. (Advertised, Engineering News.)

MONTICELLO, ILL.—Leslie A. Waterbury, Engr., 1017 Oregon St., Urbana, Ill., informs us that estimates have been prepared for paving the square around the courthouse at Monticello with brick.

MORRIS, ILL.—Bids are asked by Thos. Hynds for constructing over half a mile of brick pavement on Liberty St.; est. cost, $44,028. (Advertised, Engineering News.)

Information concerning contracts to be let or supplies to be furnished, and corrections of errors and omissions in published items, are invited. Full details regarding the equipment, tools, etc., required for the proposed improvements are specially desired.

CENTRALIA, ILL.—The Iowa Engineering Co. writes us that bids will soon be asked for about 19,700 sq. yds. brick paving at this place. Est. cost, $40,000.

JACKSONVILLE, ILL.—C. W. Brown, Pub. Engr., writes us that bids will be received until August 1 for 29,268 lin. ft. curbing and 47,156 sq. yds. brick pavement. Est. cost, $99,763.

WILMETTE, ILL.—Bids are asked by Board Local Improvements until July 28 for grading, curbing and paving with brick on several streets. Specifications furnished at office of Board, and also at office W. S. Shields, Engr., 1715 Marquette Bldg., Chicago.

WHITE HALL, ILL.—Bids are asked by City until Aug. 6 for construction of a sidewalk on Bridgeport St. J. H. Piper, Cy. Clk.

DYERSVILLE, IA.—J. H. Deukloff, Clk., informs us that engineers are wanted at once to bid on plans and specifications for sewer and street grading.

CRESTON, IA.—Bids are asked by W. H. Robb, Cy. Clk., until Aug. 1 for about 38,400 sq. ft. paving.

OTTUMWA, IA.—Bids are asked until Aug. 10 for paving six streets and four alleys. There will be required 25,000 sq. yds. brick pavement on 6-in. concrete foundation Portland cement filler; 15,000 lin. ft. curb, 6 × 22 in., of Portland cement. H. P. Keyhoe, Chn. St. Com.

OMAHA, NEB.—City Engineer Rosewater has been directed by the Park Board to advertise for bids for the paving of Southeast Boulevard, 19th and Ohio Sts. Bids are to be received for asphalt and macadam pavement.

CHILLICOTHE, MO.—Bids will probably be asked about Aug. 15 for paving with brick about five miles of streets. Est. cost, $140,000. Thos. Hurst is Cy. Engr.

JEFFERSON BARRACKS, MO.—Bids are asked until July 29 by Maj. Thos. Cruse, Depot Q. M., St. Louis, for construction and repair of roads at the powder depot at Jefferson Barracks.

SPOKANE, WASH.—Bids are asked until July 26 by Board of Public Works for improving by paving a portion of Second Ave. Bids will also be received for maintaining pavement for 10 years. H. C. Root, Secy.

SEATTLE, WASH.—The following contracts have been awarded by Board Public Works: East Harrison St., concrete sidewalks, S. Normile, $6,771; Eighth Ave., concrete sidewalks, C. J. Cable, $2,200; 31st Ave., South, grading, S. Normile, $1,775. R. H. Thomson is Cy. Engr.

TEMPE, ARIZ.—Bids are asked by C. A. Stewart, Town Treas., until Aug. 1 for the purchase of $4,000 bonds. The proceeds will be used in construction of a wagon road to Salt River reservoir.

FORT DOUGLAS, UTAH.—Bids are asked until Aug. 8 by Capt. Saml. V. Ham, Const. Q. M., Salt Lake City, for constructing macadam roads and cement walks here.

AYLMER, ONT.—Bids are asked by Junius Bradley, Town Clk., until July 25 for constructing about 12,000 sq. ft. granolithic walks. Specifications mailed upon application to clerk.

STRATFORD, ONT.—Bids are asked by Angus Smith, C. E., until July 26 for constructing a vitrified brick pavement, with concrete curb, on Downie, Brunswick and Waterloo Sts.

MANUFACTURING PLANTS.

LAWRENCE, MASS.—The Weld Bobbin & Spool Co. has had plans drawn for additions to its plant. The plans call for a new brick mill building, 40 × 130 ft., three stories; also a 2-story storehouse, 25 × 76 ft., a boiler room, 16 × 38 ft., with engine room 13 × 21 ft., and a dry room 18 × 38 ft.

PHILADELPHIA, PA.—Wm. Steele & Sons have the contract for the erection of a 5-story factory, 160 × 109 ft., at Second and Westmoreland Sts., for Thomas E. Brown.

YORK, PA.—Geo. W. Gilbert & Son have been awarded the contract for a factory for the York Carriage Co. Brick, 4 stories, 60 × 200 ft.

PHILADELPHIA, PA.—Wm. Steele & Sons, 16th and Arch Sts., have the contract for a factory at Second and Westmoreland Sts., for Thomas E. Brown. Brick, 150 × 50 ft., and 80 × 30 ft.

HANOVER, PA.—The Hanover Wire Cloth Co. has invited bids for a brick addition to their mill, 150 × 140 ft.

FREDERICKSBURG, VA.—The Melville Woolen Mills will be greatly enlarged and new machinery installed. The contract has been let to raise the mill one story higher, and other improvements will be made.

CHARLOTTE, N. C.—The Mountcastle Mfg. Co., manufacturers of plumbers' supplies, intends erecting a factory here.

ROARING RIVER, N. C.—R. W. S. Pegram, of Dellaplane, N. C., writes us that bids are asked by J. R. Hayes, Arch., of Anderson, S. C., until Aug. 30 for machinery for a 2-story brick mill for the Damask Mfg. Co. Cost of building, $14,000; est. cost of machinery, $38,000. Water power will be used, 990 HP. developed.

WEST POINT, GA.—The West Point Mfg. Co., cotton manufacturer, has awarded contracts for improvements that will cost $200,000. The contract for construction of a 1,100-ft. dam across the Chatahoochee River has been awarded to B. H. Hardway of Columbus, Ga. The dam will cost some $40,000, and develop enough power to supply the electrical energy for moving 50,000 spindles. While this dam is under construction the company will arrange to install 10,000 spindles and other additional machinery in its plant, and will afterward increase again, and eventually to 50,000 spindles and more.

SAPA, MISS.—A cotton gin will be erected here by J. R. and O. C. Fondren.

JACKSON, MISS.—The Southern Bedding Co., of St. Louis, Mo., will locate a factory here to engage in the manufacture of mattresses. E. S. McCarty is Pres.

ACKERMAN, MISS.—The Grenada (Miss.) Compress Co. with a capitalization of $232,000 will build a new press here. J. T. Thomas, of Grenada, is Secy.

PORT GIBSON, MISS.—It is reported that A. V. Fonda, of Gloversville, N. Y., will establish knitting mill here.

NASHVILLE, TENN.—The J. G. Hynds Shoe Mfg. Co. will erect a factory. B. J. Hodge is Arch.

COLUMBIA, TENN.—W. M. Stoddard and G. E. Gross, of Meridian, Conn., will establish a pearl button factory here.

NASHVILLE, TENN.—A grain elevator warehouse and feed mill is to be erected in West Nashville by J. Briggs McLemore, G. W. Howard, Jr., of Columbia Tenn., and others. The company will be capitalized at $70,000.

OWENSBORO, KY.—It is reported that contractors on brick and carpenter work are wanted at once by the Owensboro Forging Co. to bid on an addition to their plant.

PORTSMOUTH, O.—J. Eisman & Co.'s clothing factory was destroyed and a number of adjoining business houses damaged by fire. Loss, $80,000.

CLEVELAND, O.—Powder house of the Keys Island Line & Transport Co., at Marblehead, was destroyed by fire. Loss, $150,000. Considerable machinery was damaged.

CLEVELAND, O.—The Fishel Brewing Co. will erect a brewery on Wilson Ave. Cost, $75,000. Simon Fishel is Pres.

PETERSBURG, IND.—James Stafford has purchased the Williams & Tislon Machine Works, which will be remodeled and enlarged. Bids will be received as soon as plans are completed.

INDIANAPOLIS, IND.—The Union Asphalt Construction Co., City, has let the contract to Hetherington & Berner for an all-steel, fireproof asphalt paving plant.

The Parkhurst Mfg. Co., recently incorporated with a capital stock of $50,000, will erect a new factory at Kentucky Ave. and White River. The company manufactures machinery and castings. The plant will be equipped with new machinery.

INDIANAPOLIS, IND.—The Consumers' Brewery Co. has been organized with a capital stock of $250,000. A new plant of 150,000 bbls. a year capacity, with a bottling plant of 25,000 bbls. capacity, will be erected. It will be a modern plant, with an ice plant and cork-lined cellar. It is understood that bids will be received as soon as plans are completed.

DES MOINES, IA.—Ralph Bolton has purchased the Puck Soap Co.'s plant and will re-incorporate the company with $50,000 cap. stock. About $8,000 will be expended for new machinery to supplement new vats, etc. The building will also be improved.

TRENTON, MO.—J. R. Wright and others are interested in the proposed erection of shops for the manufacture of a gravity motor engine. A company has been organized with a capital of $1,000,000.

GALENA, MO.—The Caldwell Heating & Ventilating Supply Co., of Toledo, O., will establish and operate a $60,000 foundry and sheet metal plant here. J. W. Caldwell is Mgr.

EDEN, TEX.—The Eden Ginning Co., which has been organized here will erect and operate a cotton gin. Thomas McCall is one of the incorporators.

CUERO, TEX.—The Buchel Milling Co. was recently organized with a capital stock of [illegible]0,000 for the purpose of constructing grist mills and cotton gins. Otto Buchel is interested.

BEAUMONT, TEX.—The plans have been prepared for construction for Ras Landry of a two-story brick business building at Fannin and Pearl Sts.

STEPHENVILLE, TEX.—The Independent Lumber Co. has been organized with a capital stock of $25,000. A. J. Dairs is one of the incorporators.

KARNES CITY, TEX.—J. W. Scott and F. H. Warnke, City, are interested in a project to establish a sewer pipe and vitrified brick plant at Lena, Fayette County.

SEATTLE, WASH.—The Pacific Tube Works has been organized, and will build a plant in Seattle. Cost, $500,000, and will employ 1,000 men.

ABERDEEN, WASH.—The American Mill Co. will enlarge their plant at a cost of $50,000. They will erect a box factory and lumber sheds, and install the latest wood-working machinery.

FRESNO, CAL.—Fire has destroyed a block of manufacturing buildings, causing a loss of $225,000. The heaviest losers are: Madary Planing Mill Co., $150,000; Hellenbeck Planing Mills, $10,000.

EUREKA, CAL.—Jacob Dorrer, a Milwaukee capitalist, and K. Kristman, foreman of the large brewery at Los Angeles, are to erect a brewery plant here to cost $100,000. Work will be commenced within a month. The company will be known as the Eureka Brewing Co and will have a capital of $100,000. Bids will be advertised for in the near future.

LEWISTON, IDAHO.—The Clarkson Fruit Growers' Association, C. K. Berry, Mgr., is planning to enlarge their present packing house and to build a canning plant, costing about $5,000.

TORONTO, ONT.—The Standard Varnish Co., 29 Broadway, New York, has purchased a site here containing about five acres of land upon which to erect a factory. Architect has not yet been selected.

MONTREAL, QUE.—The directors of the Locomotive & Machine Co. have authorized the expenditure of $300,000 for purchase of new tools, equipment and enlargement of buildings. A. J. Pitkin is Pres.

MISCELLANEOUS CONTRACTS.

WHARF.—Thessalon, Ont.—Contract for construction of a wharf at this place for the Dominion Government has been let to O'Boyle Bros., for $18,000.

BONDS.—Silver Springs, N. Y.—Edgar B. Kay, Engr., writes us that bids are asked until July 27 for the purchase of $25,000 worth of water-works bonds.

DRAINAGE DITCH.—Sterling, Ill.—Contract for eight miles of drainage ditch in Winnebago and Ogle Counties has been let to E. L. Titus, Steward, Ill., for $23,000.

TRESTLE.—New York, N. Y.—Contract for constructing a trestle at Sandy Hook, N. J., for the U. S. Government has been let to A. F. Chapman & Co., Buffalo, N. Y., for $60,029.

DRAINAGE-BONDS.—New Iberia, La.—Bids will be received until August 1 for $90,000 of 5% bonds of the New Iberia Southern Drainage District. Leon M. Lemaire is Pres. of Comn.

BOILER AND MECHANICAL DRAFT PLANT.—West Point, N. Y.—Bids are asked until Aug. 9 for the construction of a boiler and mechanical draft plant. (Advertised Engineering News.)

SHORE PROTECTION.—Richmond, Va.—Bids are asked until Aug. 15 for constructing shore protection of Jamestown Island. Col. A. M. Miller, Engrs., 28 N. 9th St. (Advertised, Engineering News.)

STONE PLACING.—Portland, Me.—Bids are asked until Aug. 18 for placing stone on the outer slope of the breakwater at Rockland Harbor. Maj. S. W. Roessler, Engrs. (Advertised, Engineering News.)

COAL BOAT BOTTOMS.—Vicksburg, Miss.—Bids will be received by John M. Cameron, Vicksburg, for building 25 to 100 coal boat bottoms of pine lumber, each to contain about 15,000 ft. Boats are to be 26 × 170 ft.

SUBWAY.—Toronto, Can.—G. M. Gest, of New York, has been awarded a contract by the Toronto Railway Co. for the construction of its underground subway system, covering the main thoroughfares of the city.

* DRY DOCK.—New York, N. Y.—Specifications for constructing a concrete and granite dry dock, exclusive of pumping plant and caisson, at the Navy Yard, are on file at office of Engineering News, New York. Bids will be received at the Bureau of Yards and Docks, Navy Dept., Washington, until August 27.

LEVEE.—Memphis, Tenn.—J. A. Omberg, Jr., Cy. Engr., has completed report of the plans and cost of the levee to be built in North Memphis to protect certain portions of the city from high water. It will cost about $200,000.

WRECK REMOVAL.—Boston, Mass.—Bids are asked until Aug. 12 for the removal of the steamship "Kiowa," lying off Point Allerton, at the entrance to Boston Harbor. Lt.-Col. W. S. Stanton, Engrs. (Advertised, Engineering News.)

CONDUIT.—South Sharon, Pa.—Bids are asked until July 2[illegible] for the construction of a conduit across Spearman Ave. in Haywood Hollow. L. B. Burger, Boro. Clk., Colonial Trust Co. Bldg., Broadway. (Advertised, Engineering News.)

TELEPHONE IMPROVEMENTS.—Los Angeles, Cal.—Home Telephone Co. is stated to be contemplating extensive additions to its service, and supply firms are reported to be preparing to bid on furnishing about $1,000,000 worth of material.

DAM.—Plattsburg, N. Y.—The International Paper Co. will soon construct a new dam across the Saranac River a few miles above this city, at Kent's Falls, where a paper mill will be erected. The dam will be of cement, 70 ft. high and 130 ft. wide.

DOCK REPAIRS.—New York, N. Y.—Bids are asked by the Board of Commissioners of Quarantine, 114 Broadway, until July 29 for repairs to the dock at Quarantine Station, Swinburne Island. Fred. H. Schroeder, Pres. (Advertised, Engineering News.)

TUNNEL WORK.—Boston, Mass.—Bids were received by the Transit Commissioners for the construction of a supplemental opening to the East Boston tunnel in the vicinity of the Atlantic Ave. station. W. Everson & Co. were lowest bidders at $10,810.

DREDGING.—Washington, D. C.—Specifications are on file at office of Engineering News, 220 Broadway, New York, for about 350,000 cu. yds. dredging at League Island Navy Yard, Pa. Bids are asked until July 30, as advertised in Engineering News.

WALL.—Binghamton, N. Y.—John Anderson, Secy., writes us that proposals were received by the Board of Water Commissioners, on July 7, for a concrete river protection wall. A. L. Willey, City, was lowest bidder, at $17,833, and was awarded the contract.

RIPRAP STONE.—Boston, Mass.—Specifications for riprap stone in dike at Long Beach, Plymouth Harbor, Mass., are on file at office of Engineering News, 220 Broadway, New York. Bids are asked until July 25, as advertised in above mentioned paper.

CEMENT.—Minidoka, Idaho.—Bids are asked by the U. S. Geological Survey, Boise, until August 25, for furnishing 14,000 bbls. of Portland cement. D. W. Ross, Ch. Engr., Thos. Ryan, Act. Secy., Dept. of the Interior, Washington, D. C. (Advertised, Engineering News.)

WRECK REMOVAL.—Wilmington, Del.—Bids are asked until Aug. 20 for the removal of the wrecked barge "Carrie" lying sunk about ¼ mile N. E. of bell buoy at the entrance to Little Egg Harbor Bay, N. J. Capt. C. A. F. Flagler, Engrs. (Advertised, Engineering News.)

LAND RECLAMATION.—Boise, Idaho.—Bids for the headworks of the Minodoka reclamation project were received by the Board of Engineers, composed of H. S. Savage, H. J. Quito and A. J. Wiley. F. H. Newell is Ch. Engr. The lowest bid submitted was that of Niels J. Blagen, of Portland, Ore., at $390,203.

BARGE CANAL.—Albany, N. Y.—State Canal Board met July 19, to pass on plans for barge canal work, including construction at Waterford and Fort Edward. At Waterford a connecting canal around the falls in the Mohawk river and two single locks will be built. Proposals will be asked soon and it is believed that the work will be started by Aug. 15.

DAM, ETC.—Roswell, N. Mex.—Bids are asked by the Department of the Interior, Washington, D. C., until Sept. 6 for constructing an earthen dam, retaining embankments, spillways, gates, pipe conduits and 3½ miles of canal for the purpose of conducting the flow of water of the Hondo River to a reservoir 12 miles southwest of this place. Thos. Ryan, Acting Secy. (Advertised, Engineering News.)

CAR FERRY.—Milwaukee, Wis.—The contract for building what is said to be the largest car ferry on Lake Michigan has been let by the Grand Trunk Ry. Co. to the Craig Shipbuilding Co. of Toledo. The boat is to be completed in 1905, and will cost $400,000. It will be 300 ft. long, 56 ft. beam, and will run 18 miles an hour. It will carry 40 cars. The ferry will operate between Grand Haven and Milwaukee.

WHARF.—San Francisco, Cal.—Healy, Tibbitts & Co., were lowest bidders for constructing Pacific Mail Co. wharf. They were awarded the contract, at $268,314. It will be 800 × 125 ft. and will have a 2-story shed. The wharf will have cylinder concrete piles and steel beams. Western Fuel Company was lowest bidder for furnishing cement at $10.12 per ton. The amount of cement to be used is estimated at 2,300 tons.

DAM.—Sacramento, Cal.—Bids are asked until July 25 for constructing a weir or dam in Butte Slough, Butte County, Cal., about ½ mile from Sacramento River. The proposed work consists chiefly of brush fascine mattresses weighted with rock to position between parallel rows of standard piles and sheet piling. W. P. Mathews, Secy. of the Auditing Board to the Commissioner of Public Works, Room 58, Capitol Building, Sacramento, Cal.

DAM.—Pittsburg, Pa.—Following bids were received by Mayor Wm. L. Sibert, U. S. Engr., July 13 for completion of Dam. No. 4: Leid & Eigmann, Lockport, Ind., $134,525; Dravo Contracting Co., Pittsburg, $105,254; Baker & Egan, Pittsburg, $91,664. The portion of the dam included in the contract will contain 2,100 cu. ft. concrete, 300,000 lbs. steel, 10,000 cu. yds. of stone filling, 27,000 lbs. of drift bolts, and 95,000 ft. of sheet piling.

LEVEES.—Shreveport, La.—Bids are asked until Aug. 7 by the Bossier Levee Board for construction of three district levees. The first is at Cash Point on the McVay plantation, where a new levee 3,000 ft. long and requiring 40,000 cu. yds. of earth, is necessary. One will be built at Gilmer's Lane, five miles below Cash Point. This second piece of new work will be about 4,000 ft. long and will require about 60,000 cu. yds. of emplacement. The third new levee is nine miles below Shreveport, in Bossier Parish, and is also 4,000 ft. long and will require about 60,000 yds.

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COAL BUNKERS.—Washington, D. C.—The following bids were received by the Bureau Yards and Docks July 16 for coal bunkers at Boston, Mass., Navy Yard: Conners Bros. Construction Co., 16 Thorndike St., [illegible] Mass., $8,400; The Snare & Triest Co., 39 Cortlandt St., New York, N. Y., $8,998; Smith & Robinson, 17 [illegible] Boston, Mass., $7,974; The Brown Hoisting Machinery Co., Cleveland, O., $11,500. The above bids are [illegible] 1, which call for the work complete according to Government plans and specifications. The Robins Conveying Belt Co., 17 Park Row, New York, offered an alternate bid of $10,000, proposing to furnish bunkers of their own design.

FIRE BRICK, PIG IRON, HOSE, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, Navy Department, until Aug. 16, for furnishing at Navy Yards Mare Island, Cal., and Puget Sound, Wash., [illegible] supplies, among which are sand, fire brick, gravel, [illegible] en stone, lime, red brick, iron nuts, hinges, nails, [illegible] chain blocks, locks, chain, brass wire, blacksmith's [illegible] hand tools, redwood, Oregon pine, sugar pine, [illegible] sheet brass, brass rod, pig iron, scrap iron, American [illegible] Norway bar iron, sheet zinc, bar steel, galvanized [illegible] steel, steel shafting, steam hose, wash-deck hose, garden hose, gage glasses, hydraulic pipe, dry battery cells. H. T. B. Harris, Paym. Gen., U. S. N.

DITCH.—Onawa, Ia.—Local reports quote R. S. Fessenden, Engr., in stating that the commissioners have filed their report on the Harrison County part of the Monona-Harrison ditch at Logan, and on the Monona end at Onawa. The report is favorable to the establishment of the ditch. The ditch as laid out is a little over 22 miles in length, about 75 ft. wide on top and 45 to 50 ft. on bottom, and from 8 to 14 ft. deep the entire distance. Engineer Fessenden says it is calculated to drain 80,000 acres of land which in wet seasons is too wet for cultivation. The waters of the West Fork River will be turned into the new canal, from which the Monona-Woodbury ditch empties, and is expected to make it a running stream and gradually deepen the canal so as to carry off all overflows.

MACHINE TOOLS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, Navy Department, until Aug. 9 for furnishing following machine tools at Navy Yards, Portsmouth, N. H., Boston, Mass., New York, N. Y., and League Island, Pa.: Engine lathe, planers, grinders, molding machines, sawing machines, bending machine, drilling machine, wood boring machine, tenoning machine, automatic plug machine, feed pumps, steering engine, steam winches, warping engine, switching locomotive, and remodeling shaving and dust exhaust systems. Bids are also asked by the above bureau until Aug. 23 for furnishing following machine tools at Navy Yards, Mare Island, Cal., and Puget Sound, Wash.: Lathes, grinders, grindstones, drill presses, drills, saws, planers, cutters, riveters, punches, retoothing machine, hairpicking machine, centering machine, saw stretcher, sandpapering machine, box-pressing machine, screw machine, electric motors, steam hammer, saw-filing outfit, electric glue heater, soda kettle, drill press vises, metal separator, foundry rumble, scales, oven furnace, taps, gages, vises, etc. H. T. B. Harris, Paym. Gen., U. S. N.

LEVEE MATERIAL, ETC.—Memphis, Tenn.—Bids are advertised for in Engineering News for levee materials by Capt. E. W. Van C. Lucas, U. S. Engr., in charge of the First, Second and Third Mississippi River Districts. The materials consist of stone, wire ropes, brush, etc., to be used in revetment work, and the work to be advertised is in the shape of bids on levee construction in the various levee districts in the territory under the supervision of Capt. Lucas. The advertisements foot up a total of 3,833,000 cu. yds., of which 125,000 cubic yards is to be paid for by the Levee Boards, the balance being paid directly out of the appropriation made by Congress for Mississippi River improvement, and directed into this channel by the Mississippi River Commission. The 125,000 cubic yards of work, which is to be paid for by the Levee Boards, consists of the last items in the Upper St. Francis and in the Upper Yazoo levee districts. The work in detail is as follows: Upper St. Francis Levee District—Station 7 to Station 10-35, 9-14 miles below Cairo, new work, 195,000 cu. yds.; Station 6-19 to Station 7, 9 miles below Cairo, new work, 65,000 cu. yds. Reelfoot Levee District—Station 7 to Station 8, 50 miles below Cairo, new work, 42,000 cu. yds.; Station 8-45, to Station 10-40, 50 miles below Cairo, new work, 78,000 cu. yds. Lower St. Francis Levee District—Station 72 to Station 81, 165 to 167 miles below Cairo, enlargement, 125,000 cu. yds.; Station 98 to Station 104, 185 to 191 miles below Cairo, enlargement, 180,000 cu. yds.; Station 139 to Station 150, 217 to 231 miles below Cairo, enlargement, 320,000 cu. yds.; Station 211-47 to Station 212-43, 281 miles below Cairo, enlargement, 80,000 cu. yds.; Station 212-43 to Station 214-37, 282 miles below Cairo, new work, 293,700 cu. yds. Upper Yazoo Levee District—Station 121 to Station 122-8, 356 miles below Cairo, new work, 235,000 cu. yds.; within same limits (by Levee Board), 60,000 cu. yds. White River Levee District—Station 2-23-20 to Station 2-42-20, 308 miles below Cairo, new work, 70,000 cu. yds.; Station 9-47 to Station 12-23, 316 miles below Cairo, enlargement, 70,000 cu. yds.; Station 12-23 to Station 13-9, 319 miles below Cairo, new work, 90,000 cu. yds.; Station 47-48 to Station 48-30, 363 miles below Cairo, new work, 115,000 cu. yds.; Station 49-18 to Station 50-5, 365 miles below Cairo, new work, 75,000 cu. yds. Lower Yazoo Levee District—Station 48-94 to Station 50-20, 569 miles below Cairo, new work, 540,000 cu. yds.; Station 52 to Station 55-88, 573 miles below Cairo, enlargement, 100,000 cu. yds. Upper Tensas Levee District—Station O to Station 5-00, Arkansas River, enlargement, 200,000 cu. yds.; Station 6-00 to Station 6-77, 430 miles below Cairo, topping, 4,000 cu. yds.; Station 20-80 to Station 21-85, 557 miles below Cairo, new work, 250,000 cu. yds.; Station 28-60 to Station 30-26, 576 miles below Cairo, topping, 32,000 cu. yds.; Station 33-35 to Station 34-95, 583 miles below Cairo, topping, 32,000 cu. yds.; Station 7-83 to Station 9-26 Arkansas River, new work, 480,000 cu. yds. This work will bring, probably, in the neighborhood of 18 cents per cu. ft. upon the average, which would make the total cost something over $750,000. The materials advertised for will approximate $200,000 in cost.

MEXICO.

RAILWAYS.

CITY OF MEXICO.—The Mexican Government has extended the time in which the Ocotlan & Jamay R. R. shall be completed to June 6, 1907. The concession for the construction of this road is held by Dwight Furness, of this city.

ESPERANZAS.—The Mexico Coal & Coke Co. is to extend its railway from Esperanzas to Nogalitas, 24 miles. Hampson & Smith, Mexico City, have contract for grading.

LINARES.—The San Carlos Copper Co. will soon complete preliminary arrangements for construction of a railroad to connect its mines at San Carlos with the Gulf division of the Mexican Central R. R.

SINALOA.—The Kansas City, Mexico & Orient Ry. is to extend the line from El Fuerte to Choix, a distance of about 75 miles, in the state of Sinaloa.

STREET AND ELECTRIC RAILWAYS.

GUADALAJARA.—Jose Maria Bermejillo has purchased the railroad which extends from the outskirts of the city to the Grand Canyon of the Santiago River, and will operate it in connection with his system of street railway lines in this city. It is proposed to operate the new line as well as his city system of railway with electric power. Pending this improvement, animal traction will be used on the scenic road.

TORREON.—Engineer Garcia Fuentes, representing the electrical contracting firm of Ugarte & Fuentes, Guadalajara Mexico, has been making an investigation here with the view to installing the necessary equipment for the electric street railway system that is being constructed at Torreon. The above firm has the contract for equipping the line, the amount of this contract being $130,000.

VERA CRUZ.—It is stated that S. Pearson & Son, Ltd., of London, Eng., who own the street railway system at Vera Cruz will soon let the contract for nearly $300,000 worth of equipment for the lines. The plans of the firm contemplate converting the system into electric traction and the extension of the existing lines. It is reported that this firm is negotiating for the purchase of other street railway systems in Mexico.

LIGHT AND POWER PLANTS.

GUANAJUATO.—A German company is attempting to obtain from the municipal authorities of Guanajuato a franchise for the establishment and operation of an electric light and power plant here.

TEOCALTICHE, JALISCO.—City council has granted a franchise for the establishment of an electric light and power plant here.

BUILDINGS.

CITY OF MEXICO.—Contract for construction of steel framework of new building for the Department of Communications is stated to have been let to Milliken Bros., 11 Broadway, New York City, for $440,000. The exterior of building is to be of cut stone and cement floors and concrete arches will make the building fireproof. The Department of Public Communications and Works has leased extensive quarries near town of San Martin Xaltocan, state of Tlaxcala, to furnish the stone for various public buildings and the secretary is ready to give a contract for extracting stone to most favorable bidder.

LERDO, DURANGO.—Engineer Laureano Paredes has prepared plans for remodeling the market house building here. The city council also contemplates making other improvements.

WATER-WORKS.

VILLA DE SACRAMENTO, TLAXCALA.—Enough money has been subscribed by the landed proprietors in this section for the construction of three large canals to irrigate the Chevatito valley, which is at present an extensive arid plain. It is planned to construct large storage reservoirs in the San Lorenzo range of mountains and to conduct the water through the plain by means of these canals and ditches.

MANUFACTURING PLANTS.

CITY OF MEXICO.—Three companies, among them the Schwartz System Brick Co., of New York, are figuring on establishing a sand-lime brick plant in this city.

CITY OF MEXICO.—It is stated that a concession will be granted to Lic. Domingo Bomez, No. 13 Cordobanes St., for establishment of a malt factory. A stock company will be formed with capital of $20,000. Work upon the plant will begin inside of two months, and it will be located at La Canadi.

CORDOBA, VERA CRUZ.—Arrangements are being made for the erection of a large sugar refinery by J. B. Miller on his plantation near here.

GUADALAJARA, JAL.—Wm. T. Thornton, Pres. International Real Estate & Mining Agency, Guadalajara, has organized a company of Chicago capitalists to purchase a large tract of timber land. The capitalization of the company will be $600,000, and saw mills will be erected, and a railway built to the city of Colima, a distance of 14 kilometers.

TORREON.—Messrs. Bailey and Fisher will establish a machine shop in this city.

VERA CRUZ.—The Tampico Sugar Co., whose plantation is located on the Panuco River, state of Vera Cruz, is to erect a large sugar mill.

MINING AND MISCELLANEOUS.

ZACATECAS.—The San Rafael El Grande Mining Co. will install pumps and other machinery at its mine in this district. A. F. Nathan is Gen. Mgr.

TAMPICO.—A representative of the Brown-Kyle Co., Houston, Tex., is preparing to establish a large machinery house at Tampico.

CHIHUAHUA.—Maximo Krakauer, of this city, has been granted a concession by the government of this state for the construction of an aerial tramway to connect the principal mines in the Santa Eulalia district with the Mineral Ry. at the station of Santa Eulalia. The concession provides for the construction of a cable or tramway 4,000 meters long and 4,000 additional meters if necessary.

CHULPANCINGO, GUERRERO.—Mexican Government has granted a concession to Lic. Jose L. Requena to operate gold placer mines in the Bravos district of this state, and he will install machinery.

CITY OF MEXICO.—Department of Fomento has entered into a contract with an American company for establishment in the Bravo or Puerto Marquez districts, in state of Guerrero, of a reduction plant and smelter.

DURANGO.—Extensive coal deposits have been discovered on the hacienda of Francisco Flores, situated north of Durango. Engineer E. M. Bind, of Torreon, has completed an examination of the property, and has made a favorable report thereon.

GUERRERO.—A Mexico City company has purchased the San Mateo and San Luis mines, in the Taxco district, state of Guerrero. Pumps and other necessary machinery will be installed, and the mines worked on a large scale. Ernest B. Lukis is Gen. Mgr., and may be addressed at the mines, via Narango, Estado de Guerrero.

HOSTOTIPAQUILLO.—E. Romero de Parra Sucs., of Guadalajara, will develop a claim adjoining the Cabrera mine, in this district. Salvador Mota Velasco, of Guadalajara, is Engr.

READERS' WANTS

This Department contains special requests, and detailed items, from persons in the market for supplies, and from others asking for the names and addresses of firms manufacturing certain tools, machinery and supplies required for work in which they are interested. ENGINEERING NEWS will be glad to furnish at once, free of cost, names and addresses of firms making the machinery or material desired, after which the item will appear in this column, **UNLESS OTHERWISE REQUESTED**, which request will be honored absolutely. The information **in all cases will be sent to our advertisers** handling the material wanted, or to other firms should it be out of the line of our advertisers. Every day we are receiving such requests with the understanding that it must not appear in the paper.

CONCRETE AND MACHINERY.—Beaver, Okla.—F. C. Tracy, Co. Clk., desires information concerning concrete and machinery for making the same.

IGNITERS.—Berlin, Germany.—Geo. L. Atwood, Secy. Am. Chamber of Commerce, Equitable Building, writes for the names and addresses of firms manufacturing gas self-igniters.

CEDAR FLOORING, WHITE PINE JOISTS AND TILING.—Atlantic City, N. J.—We are informed that C. W. Snyder & Co., Contractors, Bartlett Bldg., Atlantic City, are in the market for 200,000 ft. of 2-in. cedar flooring, 150,000 ft. of 3 x 10 white pine joists, and a large amount of white clay tile.

BUILDING MATERIAL, MACHINERY, CEMENT, PAINT, ELEVATORS, ENGINEERING SUPPLIES, ETC.—Canton, China.—Chas. S. Paget, Arch. and Engr., writes us that he desires trade publications on the above material. He states that splendid opportunities are opening up for American appliances and machinery.

BORING PLANTS.—Cape Town, Cape of Good Hope, S. Africa.—Austin Van Billiard, C. G. H. Savings' Bank Buildings, St. George's St., writes us that the African Water Boring & Mineral Research Co., Lim., will soon be in the market for 100 of the most modern and efficient boring plants obtainable, of the several sizes suitable for the various geological formations of South Africa.

WELD A THIMBLE.—Minneapolis, Minn.—W. E. Wines, Mech. Supt., Minneapolis Tribune, writes for information regarding "a concern who can weld a thimble on the inside of an iron pipe." It is desired to reinforce the ends of the cores on which the paper is wound. These cores are made of standard 3-in. iron pipe, and we wish to put into the end a sleeve about 3½ inches or 4 inches long.

IRON, STEEL, WOOD.—New York, N. Y.—R. T. Betts, Asst. Engr., Dept. of Docks and Ferries, East 24th St., desires to secure samples of the following woods. Oak, chestnut, hickory, ash, elm, locust, hemlock, spruce, cypress, Norway pine, long and short leaf pine. The samples are to be about 6 inches long. Also white and gray cast iron, wrought iron, structural steel, hard steel and cast steel.

FOREIGN CONTRACTS—EXPORT NEWS.

TUNNEL.—France-England.—The tunnel under the English Channel is again projected by prominent Frenchmen, it is said. The plan is opposed by English military authorities.

STEAMSHIP LINE.—Panama.—The Panama Supply Co., with $5,000,000 capital, has been organized in New Orleans, La., for the purpose of establishing a steamship line to Panama and of bidding on all contracts made for supplies or work on the construction of the canal.

STEAM LAUNCHES.—Argentina.—The Argentina "Prefectura General du Puertos y Resguardos" has been authorized to acquire three steam launches at a cost not exceeding 17,500 dols. currency (about $16,800), for coastguard purposes in the Upper Uruguay River.

ELECTRIC LIGHTING.—Cape Colony.—The recently floated loan raised by the Municipality of Port Elizabeth, the sum of $486,000, is to be used for the installation of electric lighting. The agents of the Municipality are Davis & Soper, 54 St. Mary Axe, E. C., London, England, from whom all particulars may be obtained.

SUGAR FACTORY, ETC.—Zululand.—Bids are asked until July 31 by the Natal Government from persons or companies desirous of erecting and working a central sugar factory at Amatikulu, Zululand. The capacity must be 15,000 tons per season, and the scheme may provide for main tram lines to sugar lands or to the Natal Government railways, and for branch trams upon terms to planters, and it is suggested that terms of expropriation should be included. Other details are left to proposers. Proposals should be addressed to the Minister of Agriculture, Pietermaritzburg.

RAILWAYS.—Egypt.—G. Bie Ravndal, Consul at Beirut, Syria, reports that the Khedive is interested in an extensive railroad project and quotes the "Egyptian Gazette," of Alexandria, in part, as follows: "The Khedive has decided to construct a line toward the frontier of Tripoli. The line will follow the present Mariout line for the first part of the route. The order for the material for the first 100 kilometers, which the Khedive has just given, represents 10,000 tons of steel. The order has been given to the Belgian company of Ougree-Marihaye. Northern Africa will inevitably be united in one railway system before many years are past. Already railways extend from the Algerian-Moorish frontier to Kairouan. Tripoli, some day, will unite the Tunisian and Egyptian railway systems."

WATER PIPES.—Cape Colony.—East London, Cape Colony, Town Council has under consideration the report for the supplementary water project, for which C. Anthony, the engineer who has been engaged for nearly a year in making surveys. In his report Mr. Anthony gives preference to the Gulu River feeder of the Keiskama over other competitive sources, and estimates that a daily supply of 2,500,000 gals. may be procured at a cost of about $2,101,122, to be increased to 5,000,000 gals. for an additional outlay of about $1,263,600. The total length of the pipe track necessitated would be 63¼ miles, of which some 18½ miles will be 19-in. diameter pipe, 23¾ miles, 17-in., 18 miles 15-in., and 2¾ miles 16-in. The engineer advocates the adoption of steel welded lead-jointed pipes, coated with asphaltic varnish, and urges urgency in carrying out the works. Council will take steps to obtain Parliamentary sanction to raise the necessary funds, definite plans, estimates, etc., for the purpose. It is reported that bids for this work may be called for soon.

COMMERCIAL AFFAIRS IN ABYSSINIA.

Our correspondent in Abyssinia has sent us the following data regarding commercial affairs there. A previous letter regarding opportunities for Americans in Abyssinia appeared in Engineering News about two months ago:

MINES.—Machinery for the more efficient operation of the gold mines in Walaga (Gold Mining Co. of Walaga) has arrived here in good condition on the company's claim. The Russian Society for exploiting the Russian gold mine concession at Walaga brought its machinery and employees here to Addis-Ababa on the 27th of May last. At the present time it would be very interesting, in view of the ease with which permits to prospect may be obtained, to see a prospecting company, composed of competent and well-equipped persons, go into prospecting studies in the rich Abyssinia country.

MISCELLANEOUS.—Addis-Ababa is in a period of complete transformation; roads are being built; comfortable houses are going up everywhere, and requiring the assistance of European skill. A steam road rolling machine has just arrived at Addis-Ababa, after a voyage of 27 days across the desert from Diré-Daouâ to Addis-Ababa. This machine comes from England and bears the trademark "Wolseley."

MANUFACTURES.—At Diré-Daouâ a factory with a 25-HP. engine, supplied by an anthracite (or wood) gas-producer has been installed for decorticating a very abundant desert plant. The fiber of this plant is highly valued for making bags, and is exported to France. A distillery capable of producing rectified alcohol, 95°, from dourat, a sort of sorghum, would offer remunerative investment for a small amount of capital. The amount of exports of 95° alcohol during the year 1903 was 530,670 f., in spite of the high customs duties.

MANUFACTURED ARTICLES.—American cotton goods at Harrar bring the following prices: Lion and Camel Brand, 12½ f. per piece (30 yds.); other medium brands slightly lower.

Repeating guns of older model 110 to 115 f. apiece; latest models 180 to 300 f. Revolvers, Lebel, 100 f.; Smith & Wesson or Colt (with 25 cartridges), 150 f.

Petroleum—the present price is 15 f. per case of 65 lbs. This price enables a great business to be done, the natives using large and increasing amounts.

EXPORTS.—An important German house has just established offices for the purchase of skins, and will attempt to divert the skins which at present go to America. The present prices of the Arrowis, Somali, and Daukali regions: ordinary cowhide of about 20 lbs., 3½ f., or in American cotton 5 skins for a piece of 30 yards; cowhide of over 35 lbs., 4.6 f., or three skins for a piece of 30 yds. Goat skins, 20 for 6 thalers equal 13.8 f. or 20 for 1 piece of cotton. Sheep skins, 30 for 1 piece of cotton.

Coffee: The harvest of Longberry coffee has been very plentiful. Present price at Diré-Daouâ, 11½ f. for 17 kilos (37 lbs.).

Cotton: Experiments on cotton cultivation have been successful. Two agents of a Franco-Anglo-Belgian syndicate for the purchase of raw cotton are studying the producing powers of this plant.

Castor-Oil Plant: A special variety (Ricinus ethiopensis major) giving a large yield, grows wild here and an oil press of small capital would find a market for its products in the Ethiopian Ry. Co.

WATER-WORKS.—The following matter may be of more direct interest: Construction of impounding works and pipe system for the water supply of Harrar, a city of 50,000 inhabitants, at present supplied with water by transportation (by mules or by women) in oil cans holding about 18 liters each, at the rate of 0.1 f. per can. This water is not very clear during the rains, and is not very abundant on account of the scarcity of carriers. Potable water is abundant in the neighborhood and can be impounded at a distance of about 3 miles from the city. The concession for the sale of water during 30 years might be obtained by anyone prepared to make the installation, comprising a reservoir and the necessary pipe system. The cost (subject to error in my calculation) would be 285,000 f. If it is considered that ¾ of the population of Harrar is Mohammedan and consequently uses water freely, a daily consumption of 6 liters per inhabitant might be counted on, amounting to 300 tons per day. The price per cu. meter at present is 5½ f., and the use of water is, therefore, quite limited because of the difficulty of supply. If the price were reduced by one-half, and assuming a consumption of only 300 tons, an income per day of 825 f. could be counted on, equivalent to 300,000 f. per year, from which 60,000 f. should be subtracted for wages, maintenance, and interest. There would remain 240,000 f. in case all the inhabitants used the water, and 110,000 f. if only half the inhabitants used water from the system. On his last visit to Diré-Daouâ, the Ras Makomem, himself, spoke to our correspondent of this matter, promising very good terms.

Information concerning contracts to be let or supplies to be furnished, and corrections of errors and omissions in published items, are invited. Full details regarding the equipment, tools, etc., required for the proposed improvements are specially desired.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

*PAVING.—Amsterdam, N. Y.—Bids were received July 5 for fire clay pavement as follows: Park blocks will be used: (1) T. Henry Dumary, Albany (awarded contract); (2) Benj. F. Mulderry, Albany; (3) John R. Baxter, Utica; F. E. Crane, Cy. Engr.:

Items.	1.	2.	3.
8,400 sq. yds.	2.38	2.38	2.43
200 ft. curb	.50	.70	.75
350 ft. header	.30	.50	.65
Total	20,197	20,307	20,790

STREET REPAIRING.—Atlantic, N. J.—Council awarded a contract for all street opening repairs during the ensuing year to Cramer & Parker, the lowest of several bidders. They will be paid at the rate of 12½ cts. per sq. yd. for gravel and 24½ cts. a sq. yd. for broken stone.

SUB-DRAIN.—Orange, N. J.—Bids were received June 6, as follows, for constructing sub-drain and appurtenances in this city; contract awarded to Chas. Ippolito; Fred. T. Crane, Cy. Engr.; (1) Chas. Ippolito, 83 Cone St., Orange; (2) A. Costa, 89 Cone St., Orange; (3) Shannon & Hall, Jersey City, N. J.; (4) John Driscoll, 214 Hickory St., Orange, N. J.; (5) Jas. Maguire, Newark, N. J.; (6) Donata Tusco, Montclair, N. J.; (7) P. Cestone, Montclair, N. J.:

SEWER.—Port Huron, Mich.—Bids were received by the Superintendent of Public Works July 2 for grading Washington Ave. The bids per foot are as follows: Jenks, Wade & Co., 31 cts.; Hugo Kaumeier, 29½ cts.; James Baker, 29 cts. For 10-in. tile sewer in blocks 65, 66 and 67 Fort Gratiot military reservation per foot are as follows: John Deloyea, 69 cts.; Patrick Cox, 95 cts.; Carlisle & Campbell, $1.25; Christie Walters, $1.49.

Bids received at Orange, N. J., June 6, 1904, for Constructing Sub-drain and Appurtenances.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)	(7)
12-in. sub-drain	2,200 ft.	$1.40	$1.45	$1.78	$1.88	$2.00	$2.07	$2.25
1-in. trap rock	300 cu. yds.	2.00	2.25	1.50	2.00	4.00	2.75	3.50
Manholes	5	40.00	50.00	40.00	48.00	45.00	48.00	55.00
Timber foundation	1,000 ft. B. M.	30.00	65.00	50.00	30.00	30.00	35.00	35.00
Sheathing	5,000 ft. B. M.	27.00	30.00	40.00	24.00	30.00	30.00	28.00
Concrete	10 cu. yds.	6.00	7.00	7.00	5.00	8.00	7.00	6.00
6-in. house drain	50 ft.	.40	.75	.50	.10	.60	1.00	1.00
Totals		$4,125	$4,437	$4,911	$5,181	$6,115	$5,924	$6,560

WATER PIPE.—Brockton, Mass.—The Water Commissioners have awarded contract for furnishing 540 lengths of 12-in., 450 lengths of 8-in. and 350 lengths of 6-in. water pipe to Warren Foundry Machine Co., Phillipsburg, N.J., at $22.90 for all sizes. The Reading Foundry Co., Reading, Pa., bid lowest, $22.50, for 12 and 8-in., $23 for 6-in., but did not abide by specifications in weight and in specially inspected pipe required. The commissioners have been authorized to contract for a water stand-pipe for the high service in connection with the new Silver Lake water supply.

PAVING.—Washington, D.C.—The following bids were received July 1 by Commissioners for paving streets and avenues; C. B. Hunt, Engr. of Highways: Asphalt pavement, 20,000 sq. yds., The Cranford Paving Co., at $1.57; The Brennan Const. Co., at $1.63. Vitrified block, 3,000 sq. yds., The Cranford Paving Co., at $1.11; The Brennan Const. Co., at $1.40. Excess or deficiency of concrete base on Seventh St., The Cranford Paving Co., $3.60 per cu. yd.; The Brennan Const. Co., $6 per cu. yd.

ASPHALT PAVING.—Washington, D.C.—The Washington Asphalt Block & Tile Co., City, was the only bidder for paving streets with asphalt blocks; approximate amount 18,000 sq. yds., at $1.77 per lin. ft.

PAVING AND CURBING.—Waverly, Ia.—The City Council let the contract for the paving and curbing of six blocks. The paving contract was awarded to Wm. Horrabin, Iowa City, Ia., at $1.49¾ per sq. yd., brick to be furnished by the Flint Brick & Coal Co., of Des Moines. The curbing contract was given to Russell Bros., City, at 33 cts. per lin. ft.

SEWER.—Schenectady, N. Y.—The Board of Contract and Supply awarded the contract for the laying of 370 ft. of sewer in Brandywine Ave. at 90 cts. per lin. ft. for piping and $1 per cu. yd. for rock excavation to the Schenectady Contracting Co.

VALVES.—Cincinnati, O.—The following bids were received by Commissioners of Water-Works June 28 for furnishing water and air valves for water system: Chas. G. Roth, Clk.; (1) Fairbanks Co., New York; (2) Rennselaer Mfg. Co., New York; (3) Kennedy Valve Co., New York; (4) Camden (N. J.) Iron Works; (5) Ludlow Valve Mfg. Co., Troy, N. Y.; (6) Chapman Valve Co., Indian Orchard, Mass.; (7) Coffin Valve Co., Boston, Mass.:

STEEL WORK.—Huron Harbor, O.—The following bids were received June 23 by Major Dan C. Kingman, U. S. Engrs., Cleveland, O., for the steel work at Huron Harbor, O. Bids are per 100 lbs.; (1) American Bridge Co., (2) Michigan Nut & Bolt Co., (3) Variety Iron Works, (4) Pittsburg Forge Co., (5) Geo. Worthington Co., (6) A. G. Hathaway & Co.:

Bids received at Cleveland, O., June 23, 1904, for Steel Work.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)
Up. tie rods	41,830 lbs.	$2.20	$2.00	$2.00	$1.85	$1.84	$1.79
Bolts	68,913 lbs.	2.10	1.90	1.90	1.85	1.74	1.79
Drift Bolts	48,774 lbs.	2.00	1.75	1.78	1.65	1.69	1.79
Lag screws	35,092 lbs.	3.00	2.25	3.30	2.50	1.84	1.79
Washers	19,338 lbs.	2.25	2.45	3.40	2.25	1.84	1.79
Spikes	4,800 lbs.	2.45	2.50	2.45	2.00	2.15	1.79

INDUSTRIAL NOTES.

OUR READERS are requested to send short notes regarding new contracts that they are about to award, or have secured, for our news columns. Changes in firms' names and addresses are also wanted. "Write-ups" will not be inserted under any circumstances, as notes must contain news of interest to our readers. If our readers are in the market for any kind of machinery, tools, etc., we shall be glad to send them names of responsible firms making what they want.

JOHN M. BRETZ CO., Harrisburg, Pa., received the contract for paving 14,000 sq. yds. with Reese-Hammond Fire Brick Co.'s block.

THE TIDE WATER QUARRY CO., of Virginia, added to its outfit during June a new No. 4 Style "D" Gates Crusher from the Allis-Chalmers Company.

STUPP BROS. BRIDGE & IRON CO., St. Louis, Mo., announce the removal of their plant to Carondelet, where an entirely new plant has been constructed.

THE DAVENPORT LOCOMOTIVE WORKS, Davenport, Ia., write us that they have contracted with the Duffy Construction Co. for the sale of 18 locomotives.

WILLIAM ROCHE, 42 Vesey St., New York, has shipped to Japan during the past year 2,800 cells of his navy standard dry battery, for use, it is supposed, on Japanese warships.

THE ROGERS IRON CO., Springfield, O., has changed its name to the William Bayley Co. William Bayley has been the president of the company for a number of years, and will continue in the same position with the William Bayley Co.

THE GREEN FUEL ECONOMIZER CO., Matteawan, N. Y., has received an order for a large economizer, to be used in heating water for domestic purposes and also for the feed water for the boilers for Wellesley College, Wellesley, Mass.

THE NEW ENGLAND PIPE & CEMENT CO., Boston, Mass., received the contract for cast-iron pipe for Whitman, Mass., water-works. Also for about six miles of cast-iron pipe for the People's Lighting, Heating & Power Co., of Barre, Vt.

THE COLUMBUS MACHINE CO. has opened an office in Cincinnati, O., at No. 227 West 5th St. They will carry a stock of engines at this place, and the office will be in charge of Mr. Van Dusen, who is well known to the gasolene engine trade.

THE BUILDERS' IRON FOUNDRY, Providence, R. I., writes us that their shops will be closed from August 20th to the 29th, for stock-taking and general repairing. The office will be open for business as usual, and orders for catalogue goods from stock will be filled.

C. W. HUNT CO., West New Brighton, N. Y., is exhibiting at the St. Louis Exposition an electric storage battery locomotive operating on a Hunt "Industrial" railway laid in the Court of the Palace of Electricity. A straight line electric hoist is also to be exhibited.

HACKEDORN & WILCOX, Ohio, have just purchased from the Allis-Chalmers Company a complete rock-crushing plant, consisting of a Style "K" Gates Crusher; a No. 6 Style "B" geared head elevator; a 40 inch by 10 feet Gates revolving screen; a hoist and other adjuncts of a complete plant.

ARTHUR KOPPEL, 66-68 Broad St., New York, manufacturer of Industrial, Narrow and Standard Gage Railway Materials, has an exhibition of track switches, turntables, cars of various styles, etc., at the St. Louis Exhibition. His exhibit will be found in the Building of Mining and Metallurgy, Block 20, Assignment 10.

C. W. LEAVITT & CO., New York, inform us that Mr. C. W. Leavitt, Jr., who temporarily assumed control of the business upon the death of their senior last February, has retired, on account of his growing engineering practice. The business is carried on under the former firm name by Mr. W. F. B. Leavitt and Mr. C. D. Robb.

THE NATIONAL ENGINEERING CO., having offices established at 216 Terrace, Buffalo, N. Y., will be pleased to correspond with manufacturers of power plant accessories and appliances, machinery, steam, hydraulic and electrical machinery, conveying and transmission systems, etc., who desire representation in Buffalo and vicinity.

Bids received at Cincinnati, O., June 28, 1904, for Furnishing Water Valves and Air Valves for Water System.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Horizontal hub valves, 48-in.	3	$850.00	$860.00	$900.00	$1,170.00	$1,188.00	$1,200.00	$1,005.00
" " " 42-in.	5	675.00	630.00	670.00	865.00	824.50	1,000.00	880.00
" " " 36-in.	4	380.00	435.00	560.00	598.00	566.50	770.00	657.00
" " " 30-in.	4	250.00	285.00	375.00	389.00	387.00	500.00	430.00
Vertical hub valves, 24-in.	9	133.25	146.00	215.00	189.00	189.00	235.00	247.00
" " " 20-in.	18	92.00	106.00	145.00	99.00	128.50	150.00	164.00
" " " 20-in.	3	105.00	120.00	150.00	110.00	128.50	155.00	164.00
Vertical hub or hub-and-spigot valves, 16-in.	2	67.00	80.00	100.00	65.00	90.00	90.00	93.00
" " " " 16-in.	2	62.00	76.00	97.00	62.00	90.00	90.00	92.00
Hub or hub-and-spigot valves, 12-in.	4	29.50	32.00	45.00	32.50	33.75	37.00	35.00
" " " 12-in.	5	27.50	28.30	45.00	30.50	33.75	37.00	35.00
" " " 10-in.	1	22.50	24.00	30.00	26.00	26.50	28.00	26.00
" " " 10-in.	22	21.50	22.70	30.00	25.00	26.50	28.00	26.00
" " " 8-in.	14	14.00	16.85	22.50	18.00	18.50	22.00	18.00
" " " 6-in.	50	9.00	11.40	14.00	11.50	12.35	12.00	11.00
" " " 4-in.	10	5.75	6.90	11.00	6.90	7.45	8.00	7.00
Air valves, 4-in.	10	25.00	16.00	16.50	12.50	21.75	35.00	21.00
Totals		$13,578	$14,332	$17,564	$17,730	$18,342	$21,635	$19,795

SEWER.—Burlington, Ia.—Bids for construction of sewer in alley No. 11 were received as follows: Young & Buescher, $1.67 per lin. ft.; Cameron, McManus, Joyce & Steece, $1.38 per lin. ft.; Fred Hoppmann, $1.79 per lin. ft.; Geo. Gibson, $1.40 per lin. ft.

*PIPE LINE.—Waterville, Me.—Bids for constructing the China Lake pipe line and appurtenances for the Kennebec Water District were received July 12, as follows: Leonard Metcalf, Supv. Engr., 14 Beacon St., Boston, Mass.; (1) T. E. Ruggles, Chelsea, Mass.; (2) L. M. Farnum, Boston; (3) Jones & Meehan, Boston; (4) D. J. Sheehan, Lynn, Mass.; (5) C. N. Taylor, Wellesley, Mass; (3) E. M. Stacey, city (no check with bid).

W. H. ROGERS, Danville, Pa., has been awarded the contract for constructing 10,000 sq. yds. of street pavement. Reese-Hammond Fire Brick Co.'s block to be used.

THE STANDARD PAINT CO., New York, has been awarded by the United States Government an order for 8,000 squares of Ruberoid Roofing, for use in the Philippines.

W. N. KRATZER & CO., Pittsburg, Pa., have completed the steel rail pagoda exhibit for the St. Louis World's Fair. The rails will be erected in the shape of a huge pipe organ.

THE LIBRARY BUREAU, 156 Wabash Ave., Chicago, informs us that the recent fire at its Chicago factory was confined to the storage and shipping department, and the wood-working plant was not injured. New quarters were obtained for stock and printing department, and new stock shipped from the Boston factory, so that business was not materially interrupted.

CATALOGUES WANTED FOR READING ROOM OF CONSULATE AT BOGOTA, COLUMBIA.—The consulate-general has recently received a great many requests for catalogues of various kinds of American goods, such as watches, knives, shoes, rifles, shotguns, revolvers, and all kinds of sporting arms and ammunition, engineering goods and all drawing instruments. Alban G. Snyder, Consul.

THE GARRY IRON & STEEL CO., Cleveland, O., informs us that it has received the following orders:

Steel building, 77 × 177 ft., for the Elyria Gas Engine Company.

Two steel buildings, one 70 × 288 ft., and one 35 × 45 ft., with corrugated roofs, for the Continental Cement Co., Cassadaga, N. Y.

Structural steel, sheet metal and stair work for the I. O. O. F. Orphans' Home at Meadville, Pa.

Several roofs of steel construction, for the Scranton Coal Co., and the Price Pancoast Coal Co., of Throop, Pa.

They have just shipped to the Indianapolis & Cincinnati Traction Co. a 3-ton pneumatic jack, mounted on car.

Also are building for the Raritan Copper Works a three-motor special electric gantry transfer crane, to be erected at their Perth Amboy works.

Export orders: One No. 3 pneumatic revolving crane, recently shipped to London, E. C.

Also working on an order for the Canadian Railway Co., for ten 30-ton pneumatic jacks, with trucks, for use in their different shops in British Columbia and Assiniboia, and one pneumatic painting machine, for shipment to Assiniboia.

Bids received at Waterville, Me., July 12, 1904, for Constructing the China Lake Pipe Line.

Items.	Quantities.		(1)	(2)	(3)	(4)	(5)	(6)
Earth excavation, 0- 7 ft. deep, outside of trench lines	300	cu. yds.	$0.47	$0.35	$0.50	$0.40	$0.50	$0.20
" " 7-14 ft. deep, including pipe trench'g	3,500	"	.70	.80	.50	.85	.80	.75
" " 14-20 " " " "	600	"	.95	1.15	1.00	1.25	1.50	1.50
" " 20-26 " " " "	100	"	1.20	1.70	1.25	2.00	2.00	2.00
Borrowpit excavation	500	"	.40	.40	.50	.45	.50	.50
Rock excavation, 0- 7 ft. deep	1,000	"	4.50	3.50	1.62	3.00	4.00	5.00
" " 7-14 "	1,000	"	6.50	5.50	2.62	5.00	6.00	10.00
" " 14-20 "	500	"	8.00	7.50	3.50	7.00	10.00	16.00
" " 20-26 "	100	"	12.00	12.50	4.00	10.00	15.00	20.00
24-in. lake intake pipe laying	560	lin ft.	21.00	15.80	12.50	14.00	18.00	10.95
24-in. pipe mill pond crossings	700	"	6.00	3.80	5.00	1.50	10.00	4.45
Remaining 24-in. pipe laying	19,740	"	1.35	.90	1.10	.77	.90	.95
20-in. pipe river crossings	1,160	"	9.00	6.50	8.00	4.00	12.00	20.00
Remaining 20-in. pipe laying	22,500	"	1.15	.80	.90	.70	.80	.92½
Pipe laying, 16-in.	100	"	1.00	.55	.65	.58	.70	.75
" " 12-in.	200	"	.85	.40	.55	.50	.50	.45
" " 10-in.	100	"	.80	.35	.50	.46	.40	.35
" " 8-in.	100	"	.75	.30	.45	.40	.30	.25
" " 6-in.	200	"	.70	.25	.40	.38	.27	.22
" " 4-in.	200	"	.60	.25	.35	.35	.25	.18
" " drain	200	"	.75	.25	.35	.38	.30	.25
Portland cement concrete	200	"	4.50	5.00	5.00	5.00	6.00	4.00
Brick masonry, laid in Portland cement mortar	100	"	11.00	10.00	12.00	14.00	12.00	11.70
Rubble stone masonry, laid in Portland cement mortar	150	"	5.00	5.00	5.50	4.50	7.00	6.00
Gate-house superstructure			600.00	225.00	300.00	200.00	900.00	800.00
B. M. assumed	20	M.	25.00	20.00	30.00	35.00	40.00	20.00
Totals			$103,290	$76,504	$75,424	$65,691	$93,120	$105,473

LIBRARY BUILDING.

Winterset, Ia.

Sealed bids will be received by the Library board of Winterset, Iowa, until 2 o'clock p. m., August 10th, 1904, for the erection of a Library building according to plans and specifications prepared by Frank E. Wetherell, architect, of Oskaloosa, Iowa. Separate bids will be received at the same time for heating and plumbing. Plans may be seen at the office of the secretary or architect. The board reserves the right to reject any bid. Certified check for three per cent. of the bid must accompany each bid. Address all bids to W. J. Cornell, Secretary, Winterset, Iowa. 3-1t

For other Proposal Advertisements see pages 35, 36, 37, 38 of Advertisements and Construction News Pages 33, 34.

SEWERAGE SYSTEM.

Village of Cold Spring, N. Y.

Sealed proposals for building a sewerage system for the Village of Cold Spring, Putnam Co., N. Y., in accordance with the contract plans, and specifications to be furnished by the President and the Board of Trustees, will be received at the Office of the Chief Engineer in Cold Spring, at 8.00 P. M., on July 27, 1904, and at that time and place will be considered on both unit and lump sum basis. The work includes the furnishing of all materials and supplying all labor to construct approximately,

18,2[illegible] lin. feet of 8-inch pipe sewer.
9,2[illegible] " " " 10-inch pipe sewer.
[illegible] " " " 12-inch pipe sewer.
[illegible] " " " 15-inch pipe sewer.
1,1[illegible] " " " 18-inch pipe sewer.
[illegible] " " " 20-inch pipe sewer.
[illegible] " " " 24-inch pipe sewer.
1[illegible] manholes.
2[illegible] lin. feet piles.
1,400 cu. yds. rock excavation.
10,000 M. f. o. b. timber foundation and such other appurtenances connected therewith as may be found necessary. Each proposal must be accompanied by a certified check for $5,000 drawn to the order of Capt. Henry Metcalfe, President, and by the certificate of some Surety Company authorized to do business in the State of New York that will execute as surety the bond required by said contract.

Plans and specifications can be seen at the Office of the Chief Engineer on Main Street, Cold Spring, N. Y.

The right to reject any and all bids is expressly reserved.

All proposals must be made upon blanks that will be furnished upon application to the Chief Engineer at the above address.

By order of the Board of Trustees.

HENRY METCALFE, President.
J. Y. WHEATLEY,
Chief Engineer. 3-1t

BRICK PAVING.

Belleville, Ill., July 19, 1904.

Bids will be received for sewering, grading curbing and paving with brick High St., of Belleville, Ill., until 10 o'clock A. M., July 27, 1904.

Estimate: 2,200 ft. of sewers, 12, 18 and 21-inch pipe.
14,700 sq. yds. of paving.
8,146 lin. ft. of curb.

Bids will be received for sewering, grading curbing, and paving with brick Jackson St. of Belleville, Ill., until 2 o'clock P. M., July 27, 1904.

Estimate: 2,966 ft. of sewers, 12, 15 and 18-inch pipe.
14,650 sq. yds. of paving.
8,114 ft. of curb.

Bids will be received for sewering, grading curbing and paving with brick Church St., of Belleville, Ill., until 4 o'clock P. M., July 27, 1904.

Estimate: 324 ft. of sewers, 12-inch pipe.
14,580 sq. yds. of paving.
8,101 lin. ft. of curb.

In each improvement all bids must cover the entire improvement and bids for the sewer shall be lump bids.

Bids must be accompanied by a certified check for 10% of the amount of the bid, made payable to the President of the Board of Local Improvements.

Plans and specifications are on file with the city clerk and may be had on application to the city engineer.

The official advertisement runs in the Belleville Daily Advocate.

FRED. J. KERN.
3-1t Pres. Bd. Local Improvements

DEPARTMENT OF THE INTERIOR Washington, D. C., July 15, 1904.—Sealed proposals, in duplicate, will be received at the office of the United States Reclamation Service, Roswell, New Mexico, until 2 o'clock p. m., September 6, 1904, for the construction of one earthen dam, retaining embankments, spillways, gates, and pipe conduits, and 3¼ miles of canal, for the purpose of conducting the flow of water of the Hondo River to a reservoir at a point 12 miles southwest from Roswell, New Mexico Plans and specifications may be examined and forms of proposal obtained by application to the Chief Engineer of the Reclamation Service, Washington, D. C., or to W. M. Reed, Roswell, New Mexico. Each bid must be accompanied by certified check for 2 per cent. of the amount of the bid, payable to the Secretary of the Interior, as a guaranty that the bidders will, if successful, promptly execute a satisfactory contract and furnish bond in the sum of 20 per cent. of the contract price, for the faithful performance of the work. The right is reserved to reject any or all bids, to waive technical defects, and to accept one part of the bid and reject another, as the interest of the service may require. Bidders are invited to be present at the opening of bids. Proposals must be marked "Proposals for Reservoir, Canals, etc., Hondo River, New Mexico." THOS. RYAN, Acting Secretary. 3-6t

PAVING.

Owosso, Mich., July 11, 1904.

Sealed proposals will be received by the Board of Public Works of the City of Owosso, Michigan, at the City Hall until one o'clock P. M., on Wednesday, July 27, 1904, for the paving of North Washington street from Mason street to Oliver street, and west Main street, from the M. C. R. R. to Chipman street with brick, on concrete sheet asphalt, asphalt block or macadam with the necessary drainage, cement curb and gutter and other appurtenances, in accordance with the plans and specifications which may be seen at the office of the City Clerk, Owosso, Michigan, or at the office of the Riggs & Sherman Co., Engrs., Nasby Building, Toledo, Ohio.

A certified check in the sum of One Thousand Dollars will be required as a guarantee of good faith on the part of the bidders.

Bond will be required.

The Board of Public Works reserves the right to reject any or all bids or waive defects in bids in the interest of the city.

By order of the Board.

FRED. EDWARDS,
3-1t City Clerk.

RANDOLPH STREET IMPROVEMENT.

Champaign, Ill.

Notice is hereby given that sealed bids will be received by the Board of Local Improvements at the council chamber in the City Building of the city of Champaign, Illinois, until 2:00 o'clock p. m., on Thursday, July 28, 1904, for the grading, draining, paving and curbing of Randolph street in said city.

Improvement bonds, bearing interest at the rate of five (5) per cent., will be issued in payment of said work, which must be accepted by the contractor to whom the contract is awarded at par.

A certified check in the sum of 10 per cent. of the aggregate amount of the proposal or bid, made payable to the order of Edwin S. Swigart, President of the Board of Local Improvements of the city of Champaign, Illinois, in his official capacity, certified to by a responsible bank, must accompany each proposal or bid.

The Board of Local Improvements reserves the right to reject any or all bids, and to award the contract to the property owners as provided by law.

Specifications, contracts and bidding blanks can be had at the office of O. L. Gearhart, City Engineer.

The approximate quantities on Randolph street are as follows:

Brick pavement on concrete foundation, square yards	22,220
Excavation, cubic yards	11,000
Concrete curb and gutter, lineal feet	15,180
Stone curbing to be reset, lineal feet	400
Stone curbing, lineal feet	1,400
Tile drain, 8 inches, lineal feet	650
Tile drain, 10 inches, lineal feet	400
Tile drain, 12 inches, lineal feet	560
Tile drain, 18 inches, lineal feet	1,110
Relaying 24-inch tile, lineal feet	100
Gutter plates	72
Catch basins	40

1 reinforced concrete bridge.
1 brick arch.

Samples of brick (30 brick of each sample) to be used must be submitted for testing at least five (5) days before the date of opening bids.

EDWIN S. SWIGART, Manager.
W. I. ROYSDON, Street Supt.
O. L. GEARHART, City Engineer.
Board of Local Improvements of the City of Champaign, Illinois.
Dated this 16th day of July, 1904. 3-1t

U. S. ENGINEER OFFICE, Boston, Mass., July 13, 1904.—To whom it may concern: Whereas, navigation is obstructed and endangered by wreck of S. S. "Kiowa," lying off Point Allerton, at entrance to Boston Harbor, Mass.: Notice is hereby given that unless otherwise removed within thirty days it will be removed by the United States under authority of law. Sealed proposals for its removal will be received here until 12 M Aug. 12, 1904, and then publicly opened. Information on application. W. S. STANTON. Lt.-Col., Engrs. 3-4t

U. S. ENGINEER OFFICE, 1637 Indiana Ave., Chicago, Ill., June 25, 1904.—Sealed proposals for Dredging in Calumet River, Ill., will be received here until 12 noon, July 26, 1904, and then publicly opened. Information on application. O. H. ERNST, Col., Engrs. 26-4t

U. S. ENGINEER OFFICE, 537 Congress Street, Portland, Me., July 18, 1904.—Sealed proposals for placing stone on outer slope of the breakwater at Rockland Harbor, Maine, will be received here until 12 M., August 18, 1904, and then publicly opened. Information furnished on application. S. W. ROESSLER. Maj., Engrs. 3-4t

WATER-WORKS.

Silver Springs, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Silver Springs, Wyoming County, N. Y., until seven o'clock p. m. Thursday, July 28th, 1904, for furnishing approximately 13,180 feet of 4 inch, 4,709 feet of 6 inch, 4,575 feet of 8 inch and 60 feet of 10 inch cast iron pipe, five tons special castings, 35 double fire hydrants; seventeen 4 inch, ten 6 inch and six 8 inch gate valves; 33 valve boxes; for constructing a covered reservoir of 350,000 gallons capacity; a receiving chamber; four manholes; furnishing and laying about 2,500 feet of terra cotta pipe; laying the above mentioned cast iron pipe and setting all valves, hydrants, special castings. Specifications can be had on application.

The Board of Trustees reserve the right to reject any or all proposals or to accept any that in their judgment will be for the best interest of the village. All bids must be accompanied by a certified check for five per centum of amount of bid, payable to the Treasurer of the Village of Silver Springs, N. Y., to be forfeited to said village as liquidated damages in case of failure to enter into contract in accordance with the proposal, should it be accepted by the Board of Trustees of the village of Silver Springs, N. Y. All bids to be addressed to the Board of Trustees, Village of Silver Springs, N. Y., and endorsed on the outside of envelope, with the bidder's name and marked "proposal."

By order of the Board of Trustees.

MICHAEL WHELAN,
President.
HERBERT I. COUNTRYMAN,
EDGAR B. KAY, Village Clerk.
Engineer. 3-1t

Specifications may be seen at the office of Engineering News, 220 Broadway, New York.

WAGON BRIDGE.

Steamboat Springs, Colo.

Sealed proposals will be received at the office of the State Engineer of Colorado, Denver, until 12 M., on the 9th day of August, 1904, for the construction of a bridge across the Yampa River, on the line of 5th Street, Steamboat Springs, Routt County, Colorado.

Bridge to be one 100-foot span, sixteen feet roadway, 14 feet high in clear live load of 85 lbs. per sq. foot of floor surface. Either steel or combination of wood and steel.

Abutments may be either tubular piers 3 feet diameter, stone or concrete.

General specifications, abutment plans and profile of crossing of river may be obtained by applying to the State Engineer.

Each proposal must be accompanied by a certified check for $250, payable to the Board of Construction, and to be forfeited to the state should the successful bidder fail to sign contract or give satisfactory bonds within ten days after being notified.

The right to reject any or all bids is reserved.

Proposals will be marked "Routt County Bridge" and addressed to the State Engineer, Denver, Colorado.

L. G. CARPENTER,
State Engineer.
Denver, Colorado, July 14, 1904. 3-3t

DEPARTMENT OF THE INTERIOR, U. S. Geological Survey, Washington, D. C., June 2, 1904.—Sealed proposals, in duplicate, will be received by the Engineer, U.S. Geological Survey, Lawton, Okla., for the construction of a sanitary sewer system and a portion of the storm sewer system for the city of Lawton, Comanche County, Oklahoma, on June 25, 1904. Bids should be addressed to Engineer U. S. Geological Survey, at Lawton, Okla., and will be publicly opened at 2 o'clock p.m., at the City Hall of said city in the presence of such bidders as may attend. Specifications and form of proposal may be obtained on application to the Engineer U. S. Geological Survey, Lawton, Okla., where the plans may be inspected. Each bid must be accompanied by a certified check, payable to the order of the Secretary of the Interior, for 5% of the aggregate amount thereof, as a guarantee that the bidder will, if successful, promptly execute a satisfactory contract and bond in the sum of 50% of the contract price for the faithful performance of the work. The cost of construction of the sewers is to be paid out of the portion of the fund derived from the sale of town lots in Lawton, held August, 1901, as set aside for municipal improvements by the provisions of the acts of March 3, 1901, and June 30, 1902. The right is reserved to reject any and all bids, waive technical defects, and accept any part of any bid and reject any other part, if the interests of the Government require it. E. A. HITCHCOCK, Secretary. 23-8t

WEST POINT, N. Y., July 20, 1904.—Sealed proposals, in triplicate, will be received here until 12 o'clock, noon, August 9, 1904, for the construction of a boiler and mechanical draft plant, as per drawings and specifications on file in this office. The U. S. reserves the right to accept or reject any or all proposals or any part thereof. Forms and specifications furnished upon application. Address QUARTERMASTER, U. S. M. A. 3-3t

MACADAM PAVING.

Paterson, N. J.

Separate sealed proposals will be received by the Director and Road Committee of the Board of Chosen Freeholders of the County of Passaic, on Tuesday, August 2, 1904, at 8 p. m., at the office of the Clerk, Court House, Paterson, N. J., for the grading and macadamizing of the following roads, to wit:

(1) East Thirtieth Street, from Twelfth Avenue, to Seventeenth Avenue, Paterson.

(2) East Twenty-seventh, from Park Avenue to Market Street, Paterson.

(3) Goffle Hill road, from the Godwinville Turnpike to the Bergen County line, Manchester Township.

(4) Randolph Avenue, from President Street, Passaic, to the River Drive, Acquackanonk Township.

(5) Oldham road, from the lower Preakness road to the top of the mountain, Manchester Township.

Profiles and specifications for all of the above work may be seen at office of the County Engineer, Court House, Paterson, N. J.

A certified check in the sum of $1,000 made payable to the order of E. N. Kevitt, Director of the Board of Chosen Freeholders of the County of Passaic, to accompany each bid as a guarantee that bidder will enter into contract, if awarded.

The right is reserved to reject any or all bids.

E. N. KEVITT,
Director of Board of Freeholders.
Dated July 11, 1904.
GEO. W. BOTBYL. 3-3t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 12, 1904.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 3d day of August, 1904, and then opened, for the construction of new mechanical equipment and fixtures in, and remodeling of the laboratory of the Supervising Architect in the U. S. Treasury Building, Washington, D. C., in accordance with drawings and specification, copies of which may be had at this office, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 3-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 13, 1904.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 22d day of August, 1904, and then opened, for the construction (except heating apparatus), of the U. S. Post Office and Court House, Florence, South Carolina, in accordance with drawings and specifications, copies of which may be had at this office or at the office of the Postmaster at Florence, S. C., at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 3-2t

FORT MEADE, S. DAK., July 18, 1904.—Sealed proposals, in triplicate, will be received until 2 P. M., August 18, 1904, for constructing at Fort Meade, S. Dak., a five hundred thousand gallon reinforced concrete reservoir, putting in new water distributing system, consisting of about 7,190 feet 8-inch pipe, 11,320 feet 6-inch pipe, 41 fire hydrants. Information furnished upon application. U. S. reserves the right to accept or reject any or all proposals or any part thereof. Envelopes containing proposals to be marked "Proposals for Reservoir and Water System" addressed GEORGE L. BYRAM, Constructing Quartermaster. 3-4t

SALE OF FRANCHISE.

Danville, Ky.

Written bids for sale of Franchise for Electric Light & Power Plant for City of Danville, Ky., will be received by the undersigned up to 2 o'clock P. M., Wednesday, August 10th, 1904, at his office, when they will be opened publicly. Ordinance covering specifications and other information, furnished on application.

J. B. FISHER, Mayor,
3-2t City of Danville.

DEPARTMENT OF THE INTERIOR, U. S. Geological Survey, Washington, D. C., July 19, 1904. Sealed proposals, in duplicate, will be received until 2 o'clock p. m. August 25, 1904, at the office of D. W. Ross, Engineer U. S. Geological Survey, Boise, Idaho, for the furnishing of 14,000 barrels of Portland cement at Minidoka, Idaho. Specifications, forms of proposal and particulars may be obtained upon application to D. W. Ross, Boise, Idaho, and to the Chief Engineer, U. S. Geological Survey, Washington, D. C. Each bid must be accompanied by a certified check payable to the order of the Secretary of the Interior for two per cent. of the contract price, as a guaranty that the bidder will, if successful, promptly execute a satisfactory contract and furnish bond in the sum of 50 per cent. of the contract price for the faithful performance of the work. The right is reserved to reject any and all bids, waive technical defects, and to accept one part and reject the other, as the interests of the service may require. Bidders are invited to be present. THOS. RYAN, Acting Secretary. 3-4t

BRICK PAVING.

Morris, Ill.

Bids are asked by Thos. Hynds, of Morris, for one-half a mile of brick paving in Liberty St., to cost about $44,028. 3-1t

For other Proposal Advertisements see pages 35, 36, 37. of Advertisements and Construction News pages 33, 34.

STEEL HIGHWAY BRIDGE, PIER AND ABUTMENTS.

Pawtucket, R. I., July 18, 1904.

Sealed proposals for the construction of abutments and center pier and for the erection of a steel plate-girder bridge, solid floor, across the Blackstone river, between the cities of Pawtucket and Central Falls, R. I., addressed to The Cross Street Bridge Commission, will be received at the office of the City Engineer of Pawtucket, R. I., until 12 o'clock noon of Monday the first day of August, A. D. 1904.

Plans and specifications can be seen at the offices of the City Engineer of Pawtucket, R. I., and the City Engineer of Central Falls, R. I., and the office of the ENGINEERING NEWS, 220 Broadway, N. Y.

Separate proposals will be received for the masonry and for the steel work. Each proposal must be accompanied by a bond or a certified check for the sum of $1,000 as liquidated damages, conditioned that the person making the bid shall, within ten days after the acceptance of his proposal, execute the contract.

All proposals must be made upon blank forms that will be furnished by the engineers upon application.

In the employment of labor, preference shall be given, at current rates of wages, to persons who shall have resided in said cities of Pawtucket or Central Falls for six months prior to the date hereof or who shall be taxpayers in said cities.

The Commission reserves the right to reject any or all bids. 3-1t

4-FT. BRICK SEWER.

South Sharon, Pa., June 7, 1904.

No. 1.—Sealed proposals will be received at the office of the Borough Clerk in the Colonial Trust Company Building, Broadway, South Sharon, Pa., until 8 o'clock p. m., July 26, 1904, for the construction of a four-foot circular brick sewer on Spearman Ave., from Idaho to Haywood St., and a five-foot circular brick sewer on Spearman Ave., from Haywood St. to the west line of Broadway, and thence across the U. S. Steel Company property to the Shenango River.

No. 2.—Plans and specifications may be seen and blank proposals can be obtained at the office of the Borough Engineer.

No. 3.—Each proposal must contain the full name of the party or parties making the same and all persons interested therein, and must be accompanied by a certified check for Five Hundred ($500) Dollars, payable to the Borough Clerk, on the Colonial Trust Company Bank, South Sharon, Pa., as surety that if the proposal is accepted a contract will be entered into.

No. 4.—No proposal will be entertained unless made on the blanks furnished by the Borough and delivered to the Borough Clerk at his office.

No. 5.—The Borough reserves the right to reject any and all bids.

L. B. BURGER,
3-1t Borough Clerk.

CONDUIT.

South Sharon, Pa., June 12, 1904.

No. 1.—Sealed proposals will be received at the office of the Borough Clerk in the Colonial Trust Company Building, Broadway, South Sharon, Pa., until 8 o'clock, p. m., July 26, 1904, for the construction of a conduit across Spearman Ave. in Haywood Hollow.

No. 2.—Plans and specifications may be seen and blank proposals can be obtained at the office of the Borough Engineer.

No. 3.—Each proposal must contain the full name of the party or parties making the same and all persons interested therein, and must be accompanied by a certified check for Five Hundred ($500) Dollars payable to the Borough Clerk, on the Colonial Trust Company Bank, South Sharon, Pa., as surety that if the proposal is accepted a contract will be entered into.

No. 4.—No proposal will be entertained unless made on the blanks furnished by the Borough and delivered to the Borough Clerk at his office.

No. 5.—The Borough reserves the right to reject any and all bids.

L. B. BURGER,
3-1t Borough Clerk.

To whom it may concern. U. S. ENGINEER OFFICE, Wilmington, Del., July 16, 1904.—The wreck of barge "Carrie" lying sunk about ¼ mile N. E. of bell buoy at entrance to Little Egg Harbor Bay, N. J., is an obstruction to navigation, and all parties owning or claiming to own the vessel or its contents, or any part thereof, are requested to remove same. Sealed proposals will be received here until 11 a. m., August 20, 1904, and then publicly opened, for removal of wreck, if not previously removed by owners. Particulars on application. C. A. F. FLAGLER, Capt., Engrs. 3-4t

DOCK REPAIRS.

Quarantine Commissioners, State of N. Y.
Board of Commissioners of Quarantine,
July 20th, 1904.

NOTICE TO CONTRACTORS.

Sealed Proposals For Repairs to Dock at QUARANTINE STATION, SWINBURNE ISLAND, NEW YORK HARBOR, may be sent by mail or delivered in person up to noon on Friday, July 29th, 1904, to Frederick H. Schroeder, President of the Board of Commissioners of Quarantine, No. 115 Broadway, New York City, at which time and place the Board of Commissioners will receive and open all proposals.

Specifications and blank forms of proposals may be obtained at the office of the Board of Commissioners of Quarantine, No. 115 Broadway, New York City, or at the office of Henry A. Van Alstyne, State Engineer and Surveyor in the Capitol at Albany, New York.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of fund available therefor in which case the Board of Commissioners of Quarantine reserve the right to reject all bids.

FREDERICK H. SCHROEDER,
President of Board of Quarantine Commissioners.
GEO. SHRADER, Secretary,
New York, July 20th, 1904. 3-1t

TENDERS FOR PUMPING ENGINE.

Brandon, Man., Canada,
June 21, 1904.

BRANDON WATER WORKS.

Sealed Tenders will be received by the City of Brandon until 12 o'clock noon of Monday, August 8, 1904, for the furnishing and erecting in the Water Works Pumping Station ready for operation:

(A) One Compound Condensing Vertical Pumping Engine of 2,000,000 Imperial Gallons capacity in twenty-four hours.

(B) One Triple Expansion Condensing Vertical Pumping Engine of 2,000,000 Imperial Gallons capacity in twenty-four hours. (Only one Pumping Engine is intended to be purchased.)

The City Council reserves the right to accept either pump, and also the right to accept or refuse any or all tenders. Each tender must be accompanied by a cash deposit or accepted check on some chartered bank of Canada for $1,000.00, payable to the order of the City of Brandon, as security that the successful tenderer will enter into a contract when called upon to do so.

Copies of plans, specifications, proposed contract, and all information necessary may be obtained from W. H. Shillinglaw, City Engineer, Brandon. All tenders must be sent by Registered Post addressed to

J. B. WHITEHEAD,
2-2t Secretary-Treasurer.

POWER HOUSE EXTENSION, ETC.

Batavia, N. Y.

Sealed proposals suitably endorsed on envelope for additions and alterations to the Power House and Laundry. Steam apparatus, laundry equipment, conduits, steam piping and electric wiring for the New York State School for the Blind, Batavia, New York, may be sent by mail or delivered in person up to 12 o'clock m. on Monday the 25th day of July, 1904, to F. Park Lewis, M. D., President of the Board of Trustees, at the New York State School for the Blind, Batavia, N. Y., when the bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposal obtained at the above institution or by application to G. L. Heins, State Architect, in the Capitol, at Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved. 1-3t

CONCRETE STANDPIPE.

Attleboro, Mass.

Sealed proposals will be received by the Water Commissioners of Attleboro, Mass., for the construction of concrete-steel standpipe, until August 10, 1904.

General plans and specifications may be obtained from the Commissioners or from the Engineers. The bidder will be permitted to bid on any type of reinforcement and will be required to submit detailed plans and specifications with his proposal.

Check of $500 to accompany bid.

GEO. H. SNELL, Superintendent.
SNOW & BARBOUR, Engineers, Boston.
3-2t

BRIDGE SUBSTRUCTURE.

Columbus, O.

Sealed proposals for building the masonry substructure of a single track through railroad bridge across the Scioto river, in Franklin county, Ohio, will be received by the Board of Public Service of Columbus, Ohio, until 12 o'clock noon (standard time) of July 26, 1904, in accordance with the plans and specifications on file in the office of said board, in the custody of Julian Griggs, Chief Engineer, Department of Public Service, and from whom copies may be obtained.

By order of the
3-1t BOARD OF PUBLIC SERVICE.
Attest: CHARLES H. FRANK, Secretary.

BRIDGE SUPERSTRUCTURE.

Columbus, O.

Sealed proposals for building and erecting the steel superstructure of a single track through railroad bridge across the Scioto river in Franklin county, Ohio, consisting of three spans, each 150 ft. 6 ins. long, center to center of end pins, will be received by the Board of Public Service of Columbus, Ohio, until 12 o'clock noon (standard time) of July 26, 1904, in accordance with the specifications and general plans on file in the office of said Board, in the custody of Julian Griggs, Chief Engineer, Department of Public Service, and from whom copies may be obtained.

By order of the
3-1t BOARD OF PUBLIC SERVICE.
Attest: CHARLES H. FRANK, Secretary.

PUMPING MACHINERY.

Columbus, O.

Sealed proposals for furnishing and erecting complete the pumping plant for the main sewage pumping station of the City of Columbus, Ohio, will be received by the Board of Public Service of said city until 12 o'clock noon (standard time) of August 10, 1904, in accordance with the plans and specifications on file in the office of said board, in the custody of Julian Griggs, Chief Engineer, Department of Public Service and from whom copies may be obtained.

The principal items are as follows:

Three 11,000,000 gal. centrifugal pumps each direct connected to a vertical compound condensing (engine).
Two 4,000,000 gal. centrifugal pumps each direct connected to a vertical compound condensing (engine).
Two 10-KW. direct current generator connected to simple engine.
One switchboard.
One hand 6-ton traveling crane.
Three horizontal 150-HP. each water tube boilers.
Two surface condensers.
Two air pumps.
Two boiler and feed pumps.
One fuel economizer.
One feed water heater.
One oil filter.
Suction, discharge and drainage pipes in the building.

By order of the
3-3t BOARD OF PUBLIC SERVICE.
Attest: CHARLES H. FRANK, Secretary.

CAST-IRON PIPE.

Columbus, O.

Sealed proposals for furnishing and laying cast-iron pipe across and adjacent to the Scioto river in Franklin county, Ohio, will be received by the Board of Public Service of Columbus, Ohio, until 12 o'clock noon (standard time) of August 10, 1904, in accordance with the plans and specifications on file in the office of said board in the custody of Julian Griggs, Chief Engineer, Department of Public Service and from whom copies may be obtained.

The principal quantities are as follows:

	Cu. Yds.
Excavation above elevation 8	22,000
Excavation below elevation 8	2,500
Concrete backing 1-4-7	300
Concrete in structures 1-3-5	300
Dry stone paving	30
Furnishing and laying about 11,150 ft.	
10-in. cast-iron pipe	2,555 tons
Furnishing and laying about 7,170 ft.	
48-in. cast-iron pipe	2,555 tons
Furnishing and laying 6, 10 and 16-in. gate valves	7
Miscellaneous iron	7,000 lbs.

By order of the
3-3t BOARD OF PUBLIC SERVICE.
Attest: CHARLES H. FRANK, Secretary.

U. S. ENGINEER OFFICE, 28 N. 9th St., Richmond, Va., July 16, 1904.—Sealed proposals for constructing shore protection of Jamestown Island, Va., will be received here until 12 M., Aug. 15, 1904, and then publicly opened. Information furnished on application to S. H. Yonge, Asst. Engr. A. M. MILLER, Col., Engrs. 3-4t

IMPROVING WATER-WORKS

Department of Public Works,
Bureau of Filtration,
Office of the Director, Room 2.. City Hall,
Philadelphia, Ju.. 16, 1904.

Sealed proposals, endorsed "... for Improvement, Extension and Filtration of the Water Supply," and addressed to the undersigned, at the office above mentioned, will be received until 12 o'clock, noon, on Tuesday, August 2, 1904, for

Contract No. 34, Torresdale ...ke.

Contract No. 48, Electric Tr...g Crane for Lardner's Point Pumping S..., No. 3.

Copies of specification, drawings and blank form of proposal can be obtained for the above work at Room 710 City Hall, under the regulations of the Bureau.

No bid will be considered unless accompanied by a certificate from the City Solicitor that the provisions of an ordinance requiring bonds when the bids exceed in amount five hundred dollars, approved May 25, 1860 (p. 81, West), have been complied with.

The Director reserves to himself the right to reject any or all bids, as he may deem best for the interests of the city.

PETER E. COSTELLO,
3-2t Director.

WATER-WORKS.

Augusta, Ga.

Sealed proposals will be received by the undersigned until 12 o'clock noon, Wednesday, August 3, 1904, for furnishing all material and labor and constructing a water-works plant at the Village of Warrenville, S. C.

The supply will be gravity.

There will be required approximately:

3,384 ft. 8-in. pipe.
11,836 " 6-" "
3,000 " 4-" "
1,970 " 2-" "

13 hydrants, 16 valves, reservoirs, etc.

Plans and specifications can be seen at office of ENGINEERING NEWS, No. 220 Broadway, New York city; at the office of Nisbet Wingfield, C. E., Augusta, Ga., or at this office.

Right reserved to reject any or all bids.

WARREN MANUFACTURING CO.,
3-2t E. F. Verdery, President.

ELECTRIC LIGHT PLANT.

Washington, N. C.

Sealed proposals will be received by the Committee on Improvements of Washington, N. C., until 12 o'clock M. July 28th, 1904, for erecting and installing complete an Electric Light Plant. The proposed plant embraces two 178 HP. Medium Speed Engines, two 120 KW. A. C. Generators, 75 Light Series Arc System and Pole Line.

For specifications, form of proposal, etc., address the Engineer.

E. T. STEWART, Chairman.
J. L. LUDLOW, Engineer,
Winston-Salem, N. C. 2-2t

FILTRATION PLANT AND RAISING AND EXTENDING MASONRY DAM.

Sealed proposals will be received by the Water Committee of the Board of Council of the City of Danville, Ky., up to 2 p. m., Thursday, July 28, 1904, for furnishing material and labor and constructing a Filtration Plant and Extending and Raising Masonry Dam, in connection with the Water-Works system of the City of Danville, Ky.

Each proposal shall be accompanied by a certified check for Five Hundred Dollars ($500.00), payable to the City Treasurer, as a guarantee that the bidder will enter into a contract with the City to do the work in accordance with the plans and specifications and for the amount of the bid.

All bids must be endorsed "Proposal for Filtration Plant," and addressed "HENRY E. WOOLFOLK, Manager, DANVILLE, KY."

Plans and specifications can be seen at the office of the Manager, Danville, Ky., from whom copy of specifications and further information can be obtained.

By order of the Water Committee.
2-2t HENRY E. WOOLFOLK, Manager.

U. S. ENGINEER OFFICE, Duluth, Minn., July 8, 1904.—Sealed proposals for building vessel yard, and removing buildings at Duluth, Minn., will be received here until noon, August 8, 1904, and then publicly opened. Information on application. CHAS. L. POTTER, Capt., Engrs. 2-4t

U. S. ENGINEER OFFICE, Boston, Mass., June 25, 1904.—Sealed proposals for Riprap Stone in Dike on Long Beach, Plymouth Harbor, Mass., will be received here until 12 m. July 25, 1904, and then publicly opened. Information on application. W. S. STANTON, Lieut-Col., Engrs. 26-4t

For other Proposal Advertisements see pages 35, 36, 37, of Advertisements and Construction News pages 33, 34.